

## Product Range

Check valves  
Type 561 and Type 562





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# PVC-U metric

## Cone check valves

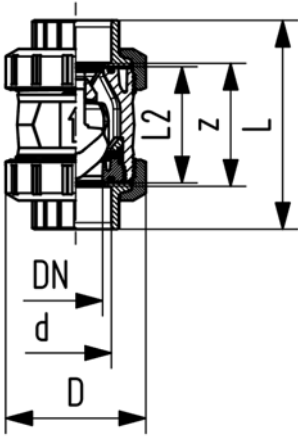
### Check valve type 561 PVC-U With solvent cement sockets metric



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	161 561 001	161 561 011	50	92	56	64	3/8
20	15	16	180	161 561 002	161 561 012	50	95	56	64	1/2
25	20	16	380	161 561 003	161 561 013	58	110	65	72	3/4
32	25	16	460	161 561 004	161 561 014	68	123	71	79	1
40	32	16	850	161 561 005	161 561 015	84	146	85	94	1 1/4
50	40	16	1080	161 561 006	161 561 016	97	157	89	95	1 1/2
63	50	16	1670	161 561 007	161 561 017	124	183	101	107	2
75	65	16	2950	161 561 008	161 561 018	166	233	136	144	2 1/2
90	80	16	3600	161 561 009	161 561 019	200	254	141	151	3
110	100	16	4150	161 561 010	161 561 020	238	301	164	174	4

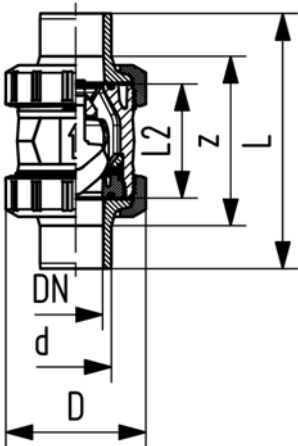
### Check valve type 561 PVC-U With solvent cement spigots metric



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	161 561 041	161 561 051	50	114	56	3/8
20	15	16	180	161 561 042	161 561 052	50	124	56	1/2
25	20	16	380	161 561 043	161 561 053	58	144	65	3/4
32	25	16	460	161 561 044	161 561 054	68	154	71	1
40	32	16	850	161 561 045	161 561 055	84	174	85	1 1/4
50	40	16	1080	161 561 046	161 561 056	97	194	89	1 1/2
63	50	16	1670	161 561 047	161 561 057	124	224	101	2
75	65	16	2950	161 561 048	161 561 058	166	284	136	2 1/2
90	80	16	3600	161 561 049	161 561 059	200	300	141	3
110	100	16	4150	161 561 050	161 561 060	238	340	164	4

## PVC-U metric

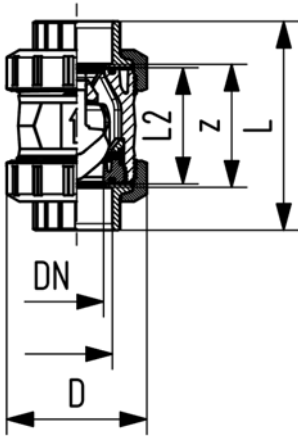
### Check valve type 561 PVC-U With threaded sockets Rp



#### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	161 561 021	161 561 031	50	95	56	69
1/2	15	10	180	161 561 022	161 561 032	50	100	56	67
3/4	20	10	380	161 561 023	161 561 033	58	114	65	78
1	25	10	460	161 561 024	161 561 034	68	127	71	85
1 1/4	32	10	850	161 561 025	161 561 035	84	146	85	100
1 1/2	40	10	1080	161 561 026	161 561 036	97	152	89	106
2	50	10	1670	161 561 027	161 561 037	124	177	101	121
2 1/2	65	10	2950	161 561 028	161 561 038	166	233	136	144
3	80	10	3600	161 561 029	161 561 039	200	254	141	151
4	100	10	4150	161 561 030	161 561 040	238	301	164	174

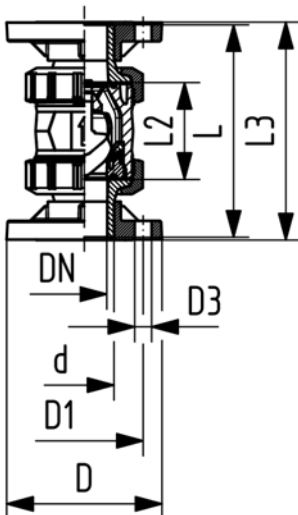
### Check valve type 561 PVC-U With fixed flanges metric



#### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	16	180	161 561 082	161 561 092
25	20	16	380	161 561 083	161 561 093
32	25	16	460	161 561 084	161 561 094
40	32	16	850	161 561 085	161 561 095
50	40	16	1080	161 561 086	161 561 096
63	50	16	1670	161 561 087	161 561 097

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	95	65	14	124	56	130	1/2
25	105	75	14	144	65	150	3/4
32	115	85	14	154	71	160	1
40	140	100	18	174	85	180	1 1/4
50	150	110	18	194	89	200	1 1/2
63	165	125	18	224	101	230	2

# PVC-U metric

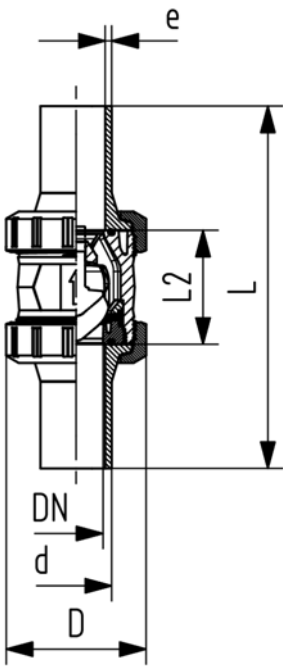
## Check valve type 561 PVC-U With butt fusion spigots long PE100 SDR11 metric



### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>161 561 142</b>	50	193	56	2.3	1/2
25	20	16	380	<b>161 561 143</b>	58	216	65	2.3	3/4
32	25	16	460	<b>161 561 144</b>	68	223	71	3.0	1
40	32	16	850	<b>161 561 145</b>	84	249	85	3.7	1 1/4
50	40	16	1080	<b>161 561 146</b>	97	271	89	4.6	1 1/2
63	50	16	1670	<b>161 561 147</b>	124	321	101	5.8	2

## PVC-U metric

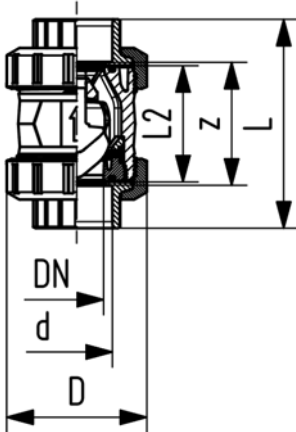
### Check valve type 562 PVC-U With solvent cement sockets metric



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	161 562 001	161 562 011	50	92	56	64	3/8
20	15	16	180	161 562 002	161 562 012	50	95	56	64	1/2
25	20	16	380	161 562 003	161 562 013	58	110	65	72	3/4
32	25	16	460	161 562 004	161 562 014	68	123	71	79	1
40	32	16	850	161 562 005	161 562 015	84	146	85	94	1 1/4
50	40	16	1080	161 562 006	161 562 016	97	157	89	95	1 1/2
63	50	16	1670	161 562 007	161 562 017	124	183	101	107	2
75	65	16	2950	161 562 008	161 562 018	166	233	136	144	2 1/2
90	80	16	3600	161 562 009	161 562 019	200	254	141	151	3
110	100	16	4150	161 562 010	161 562 020	238	301	164	174	4

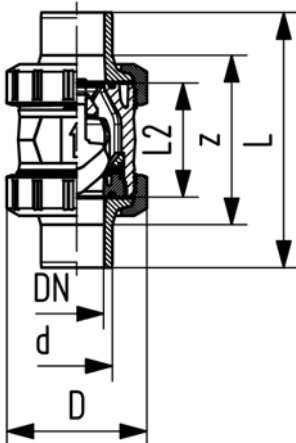
### Check valve type 562 PVC-U With solvent cement spigots metric



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

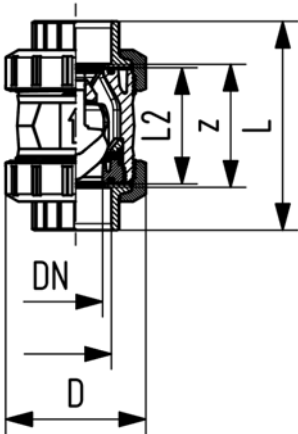
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d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	161 562 041	161 562 051	50	114	56	3/8
20	15	16	180	161 562 042	161 562 052	50	124	56	1/2
25	20	16	380	161 562 043	161 562 053	58	144	65	3/4
32	25	16	460	161 562 044	161 562 054	68	154	71	1
40	32	16	850	161 562 045	161 562 055	84	174	85	1 1/4
50	40	16	1080	161 562 046	161 562 056	97	194	89	1 1/2
63	50	16	1670	161 562 047	161 562 057	124	224	101	2
75	65	16	2950	161 562 048	161 562 058	166	284	136	2 1/2
90	80	16	3600	161 562 049	161 562 059	200	300	141	3
110	100	16	4150	161 562 050	161 562 060	238	340	164	4

## PVC-U metric

### Check valve type 562 PVC-U With threaded sockets Rp



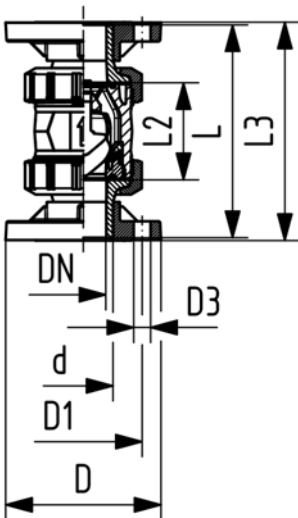
#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	161 562 021	161 562 031	50	95	56	69
1/2	15	10	180	161 562 022	161 562 032	50	100	56	67
3/4	20	10	380	161 562 023	161 562 033	58	114	65	78
1	25	10	460	161 562 024	161 562 034	68	127	71	85
1 1/4	32	10	850	161 562 025	161 562 035	84	146	85	100
1 1/2	40	10	1080	161 562 026	161 562 036	97	152	89	106
2	50	10	1670	161 562 027	161 562 037	124	177	101	121
2 1/2	65	10	2950	161 562 028	161 562 038	166	233	136	144
3	80	10	3600	161 562 029	161 562 039	200	254	141	151
4	100	10	4150	161 562 030	161 562 040	238	301	164	174

### Check valve type 562 PVC-U With fixed flanges metric



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

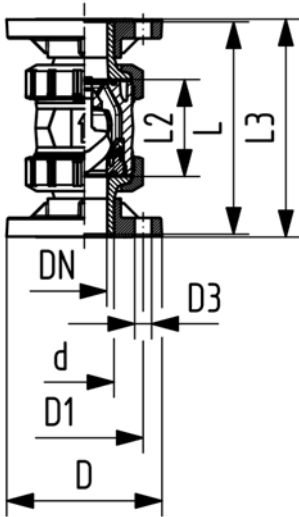
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	16	180	161 562 082	161 562 092
25	20	16	380	161 562 083	161 562 093
32	25	16	460	161 562 084	161 562 094
40	32	16	850	161 562 085	161 562 095
50	40	16	1080	161 562 086	161 562 096
63	50	16	1670	161 562 087	161 562 097

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# PVC-U metric



d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	95	65	14	124	56	130	½
25	105	75	14	144	65	150	¾
32	115	85	14	154	71	160	1
40	140	100	18	174	85	180	1 ¼
50	150	110	18	194	89	200	1 ½
63	165	125	18	224	101	230	2



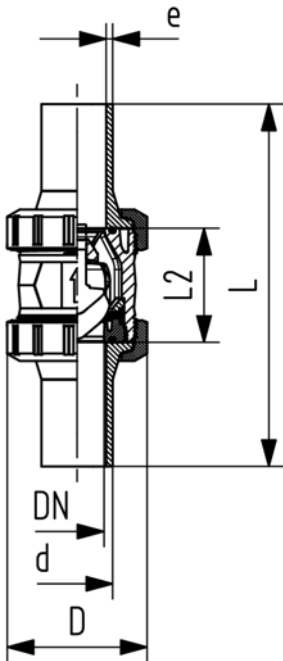
## Check valve type 562 PVC-U With butt fusion spigots long PE100 SDR11 metric



### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>161 562 142</b>	50	193	56	2.3	½
25	20	16	380	<b>161 562 143</b>	58	216	65	2.3	¾
32	25	16	460	<b>161 562 144</b>	68	223	71	3.0	1
40	32	16	850	<b>161 562 145</b>	84	249	85	3.7	1 ¼
50	40	16	1080	<b>161 562 146</b>	97	271	89	4.6	1 ½
63	50	16	1670	<b>161 562 147</b>	124	321	101	5.8	2

# PVC-U metric silicone free Paintcompatible and oil free Cone check valves

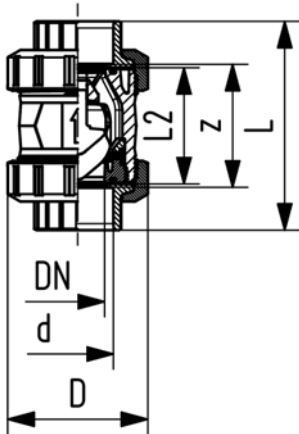
## Check valve type 561 PVC-U SF With solvent cement sockets metric



### Model:

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	161 561 201	161 561 211	50	92	56	64	3/8
20	15	16	180	161 561 202	161 561 212	50	95	56	64	1/2
25	20	16	380	161 561 203	161 561 213	58	110	65	72	3/4
32	25	16	460	161 561 204	161 561 214	68	123	71	79	1
40	32	16	850	161 561 205	161 561 215	84	146	85	94	1 1/4
50	40	16	1080	161 561 206	161 561 216	97	157	89	95	1 1/2
63	50	16	1670	161 561 207	161 561 217	124	183	101	107	2
75	65	16	2950	161 561 208	161 561 218	166	233	136	144	2 1/2
90	80	16	3600	161 561 209	161 561 219	200	254	141	151	3
110	100	16	4150	161 561 210	161 561 220	238	301	164	174	4

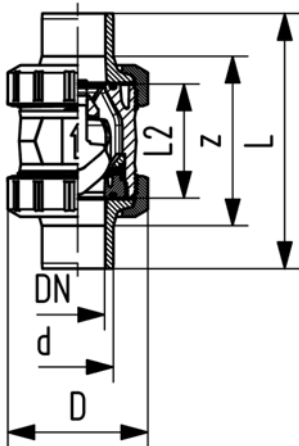
## Check valve type 561 PVC-U SF With solvent cement spigots metric



### Model:

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

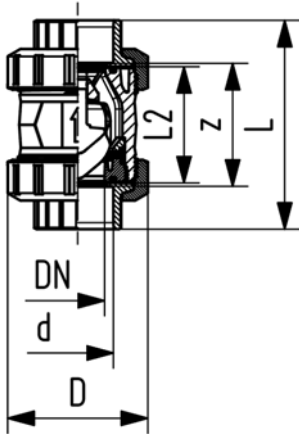
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	161 561 221	161 561 231	50	114	56	3/8
20	15	16	180	161 561 222	161 561 232	50	124	56	1/2
25	20	16	380	161 561 223	161 561 233	58	144	65	3/4
32	25	16	460	161 561 224	161 561 234	68	154	71	1
40	32	16	850	161 561 225	161 561 235	84	174	85	1 1/4
50	40	16	1080	161 561 226	161 561 236	97	194	89	1 1/2
63	50	16	1670	161 561 227	161 561 237	124	224	101	2
75	65	16	2950	161 561 228	161 561 238	166	284	136	2 1/2
90	80	16	3600	161 561 229	161 561 239	200	300	141	3
110	100	16	4150	161 561 230	161 561 240	238	340	164	4

## PVC-U metric silicone free

### Paintcompatible and oil free Check valve type 562 PVC-U SF With solvent cement sockets metric



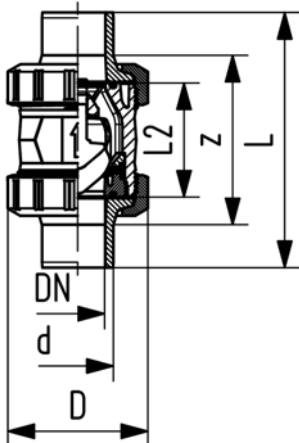
#### Model:

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	161 562 201	161 562 211	50	92	56	64	3/8
20	15	16	180	161 562 202	161 562 212	50	95	56	64	1/2
25	20	16	380	161 562 203	161 562 213	58	110	65	72	3/4
32	25	16	460	161 562 204	161 562 214	68	123	71	79	1
40	32	16	850	161 562 205	161 562 215	84	146	85	94	1 1/4
50	40	16	1080	161 562 206	161 562 216	97	157	89	95	1 1/2
63	50	16	1670	161 562 207	161 562 217	124	183	101	107	2
75	65	16	2950	161 562 208	161 562 218	166	233	136	144	2 1/2
90	80	16	3600	161 562 209	161 562 219	200	254	141	151	3
110	100	16	4150	161 562 210	161 562 220	238	301	164	174	4

### Check valve type 562 PVC-U SF With solvent cement spigots metric



#### Model:

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	161 562 221	161 562 231	50	114	56	3/8
20	15	16	180	161 562 222	161 562 232	50	124	56	1/2
25	20	16	380	161 562 223	161 562 233	58	144	65	3/4
32	25	16	460	161 562 224	161 562 234	68	154	71	1
40	32	16	850	161 562 225	161 562 235	84	174	85	1 1/4
50	40	16	1080	161 562 226	161 562 236	97	194	89	1 1/2
63	50	16	1670	161 562 227	161 562 237	124	224	101	2
75	65	16	2950	161 562 228	161 562 238	166	284	136	2 1/2
90	80	16	3600	161 562 229	161 562 239	200	300	141	3
110	100	16	4150	161 562 230	161 562 240	238	340	164	4

# PVC-U Inch BS

## Cone check valves

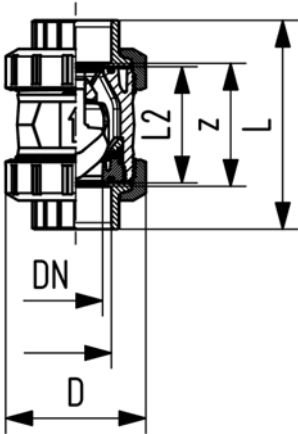
### Check valve type 561 PVC-U With solvent cement sockets Inch BS



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 561 061	161 561 071	50	92	56	60
1/2	15	16	180	161 561 062	161 561 072	50	95	56	60
3/4	20	16	380	161 561 063	161 561 073	58	110	65	69
1	25	16	460	161 561 064	161 561 074	68	123	71	75
1 1/4	32	16	850	161 561 065	161 561 075	84	146	85	89
1 1/2	40	16	1080	161 561 066	161 561 076	97	157	89	97
2	50	16	1670	161 561 067	161 561 077	124	183	101	110
2 1/2	65	16	2950	161 561 068	161 561 078	166	233	136	144
3	80	16	3600	161 561 069	161 561 079	200	254	141	151
4	100	16	4150	161 561 070	161 561 080	238	301	164	174

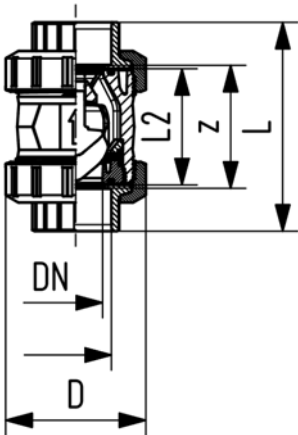
### Check valve type 562 PVC-U With solvent cement sockets Inch BS



**Model:**

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 562 061	161 562 071	50	92	56	60
1/2	15	16	180	161 562 062	161 562 072	50	95	56	60
3/4	20	16	380	161 562 063	161 562 073	58	110	65	69
1	25	16	460	161 562 064	161 562 074	68	123	71	75
1 1/4	32	16	850	161 562 065	161 562 075	84	146	85	89
1 1/2	40	16	1080	161 562 066	161 562 076	97	157	89	97
2	50	16	1670	161 562 067	161 562 077	124	183	101	110
2 1/2	65	16	2950	161 562 068	161 562 078	166	233	136	144
3	80	16	3600	161 562 069	161 562 079	200	254	141	151
4	100	16	4150	161 562 070	161 562 080	238	301	164	174

# PVC-U ASTM/ANSI

## Cone check valves

### Check valve type 561 PVC-U

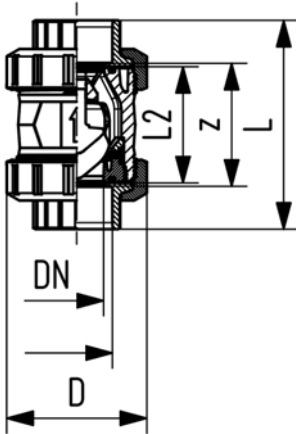
With solvent cement sockets Inch ASTM  
Inclusive 2 threaded valve ends NPT



#### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 561 101	161 561 111	50	105	56	67
1/2	15	16	180	161 561 102	161 561 112	50	105	56	61
3/4	20	16	380	161 561 103	161 561 113	58	121	65	70
1	25	16	460	161 561 104	161 561 114	68	133	71	76
1 1/4	32	16	850	161 561 105	161 561 115	84	154	85	90
1 1/2	40	16	1080	161 561 106	161 561 116	97	164	89	94
2	50	16	1670	161 561 107	161 561 117	124	183	101	107
2 1/2	65	16	2950	161 561 108	161 561 118	166	233	136	144
3	80	16	3600	161 561 109	161 561 119	200	254	141	151
4	100	16	4150	161 561 110	161 561 120	238	301	164	174

### Check valve type 562 PVC-U

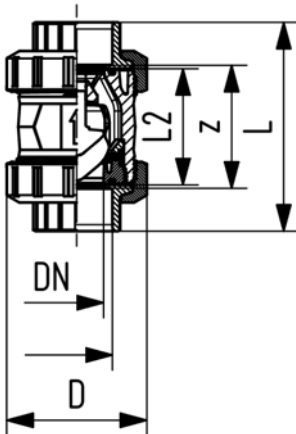
With solvent cement sockets Inch ASTM  
Inclusive 2 threaded valve ends NPT



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 562 101	161 562 111	50	105	56	67
1/2	15	16	180	161 562 102	161 562 112	50	105	56	61
3/4	20	16	380	161 562 103	161 562 113	58	121	65	70
1	25	16	460	161 562 104	161 562 114	68	133	71	76
1 1/4	32	16	850	161 562 105	161 562 115	84	154	85	90
1 1/2	40	16	1080	161 562 106	161 562 116	97	164	89	94
2	50	16	1670	161 562 107	161 562 117	124	183	101	107
2 1/2	65	16	2950	161 562 108	161 562 118	166	233	136	144
3	80	16	3600	161 562 109	161 562 119	200	254	141	151
4	100	16	4150	161 562 110	161 562 120	238	301	164	174

# PVC-U ASTM/ANSI/BS

## Silicone free/paintcompatible Cone check valves

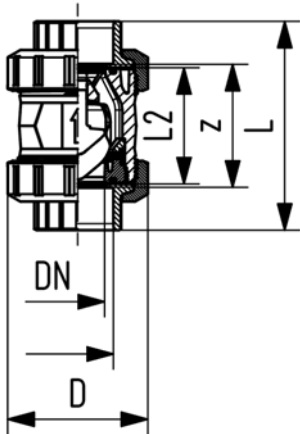
### Check valve type 561 PVC-U SF With solvent cement sockets Inch ASTM



**Model:**

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 561 241	161 561 251	50	105	56	67
1/2	15	16	180	161 561 242	161 561 252	50	105	56	61
3/4	20	16	380	161 561 243	161 561 253	58	121	65	70
1	25	16	460	161 561 244	161 561 254	68	133	71	76
1 1/4	32	16	850	161 561 245	161 561 255	84	154	85	90
1 1/2	40	16	1080	161 561 246	161 561 256	97	164	89	94
2	50	16	1670	161 561 247	161 561 257	124	183	101	107
2 1/2	65	16	2950	161 561 248	161 561 258	166	233	136	144
3	80	16	3600	161 561 249	161 561 259	200	254	141	151
4	100	16	4150	161 561 250	161 561 260	238	301	164	174

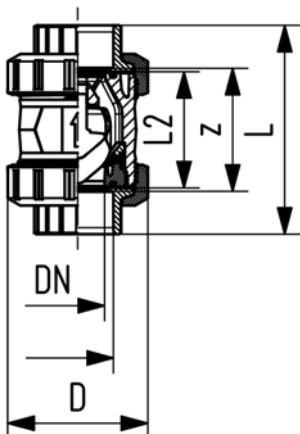
### Check valve type 562 PVC-U SF With solvent cement sockets Inch ASTM



**Model:**

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	161 562 241	161 562 251	50	105	56	67
1/2	15	16	180	161 562 242	161 562 252	50	105	56	61
3/4	20	16	380	161 562 243	161 562 253	58	121	65	70
1	25	16	460	161 562 244	161 562 254	68	133	71	76
1 1/4	32	16	850	161 562 245	161 562 255	84	154	85	90
1 1/2	40	16	1080	161 562 246	161 562 256	97	164	89	94
2	50	16	1670	161 562 247	161 562 257	124	183	101	107
2 1/2	65	16	2950	161 562 248	161 562 258	166	233	136	144
3	80	16	3600	161 562 249	161 562 259	200	254	141	151
4	100	16	4150	161 562 250	161 562 260	238	301	164	174

# PVC-U JIS

## Cone check valves

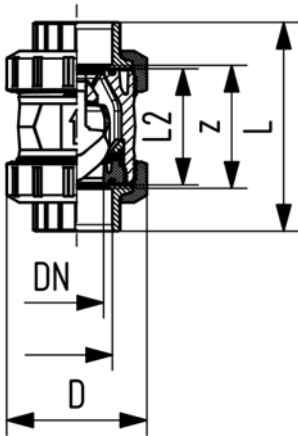
### Check valve type 561 PVC-U With solvent cement sockets JIS



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
1/2	15	16	180	161 561 302	50	95	56	64
3/4	20	16	380	161 561 303	58	110	65	72
1	25	16	460	161 561 304	68	123	71	79
1 1/4	32	16	850	161 561 305	84	146	85	94
1 1/2	40	16	1080	161 561 306	97	157	89	95
2	50	16	1670	161 561 307	124	183	101	107
2 1/2	65	16	2950	161 561 308	166	233	136	144
3	80	16	3600	161 561 309	200	254	141	151
4	100	16	4150	161 561 310	238	301	164	174

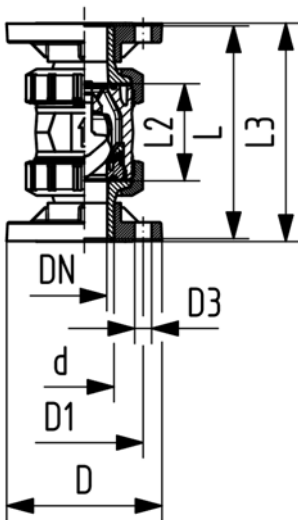
### Check valve type 561 PVC-U With fixed flanges JIS



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

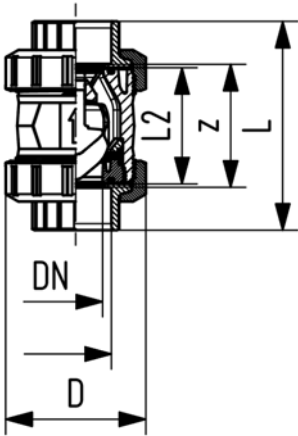
Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]
3/4	20	16	380	161 561 323	100	75	15	170	65	172
1	25	16	460	161 561 324	130	90	19	190	71	187
1 1/4	32	16	850	161 561 325	140	100	19	190	85	190
1 1/2	40	16	1080	161 561 326	140	105	19	210	89	212
2	50	16	1670	161 561 327	160	120	19	240	101	234

# PVC-U JIS

## Check valve type 562 PVC-U With solvent cement sockets JIS



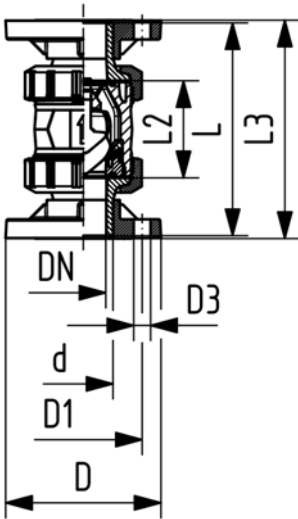
**Model:**

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
½	15	16	180	<b>161 562 302</b>	50	95	56	64
¾	20	16	380	<b>161 562 303</b>	58	110	65	72
1	25	16	460	<b>161 562 304</b>	68	123	71	79
1 ¼	32	16	850	<b>161 562 305</b>	84	146	85	94
1 ½	40	16	1080	<b>161 562 306</b>	97	157	89	95
2	50	16	1670	<b>161 562 307</b>	124	183	101	107
2 ½	65	16	2950	<b>161 562 308</b>	166	233	136	144
3	80	16	3600	<b>161 562 309</b>	200	254	141	151
4	100	16	4150	<b>161 562 310</b>	238	301	164	174

## Check valve type 562 PVC-U With fixed flanges JIS



**Model:**

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011

Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]
¾	20	16	380	<b>161 562 323</b>	100	75	15	170	65	172
1	25	16	460	<b>161 562 324</b>	130	90	19	190	71	187
1 ¼	32	16	850	<b>161 562 325</b>	140	100	19	190	85	190
1 ½	40	16	1080	<b>161 562 326</b>	140	105	19	210	89	212
2	50	16	1670	<b>161 562 327</b>	160	120	19	240	101	234



# PVC-C metric

## Cone check valves

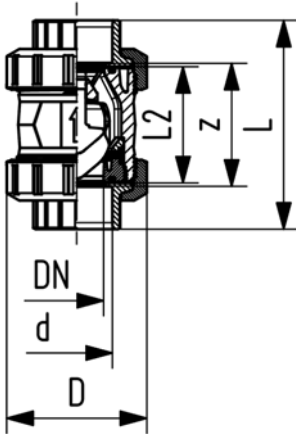
### Check valve type 561 PVC-C With solvent cement sockets metric



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	163 561 001	163 561 011	50	92	56	64	3/8
20	15	16	180	163 561 002	163 561 012	50	95	56	64	1/2
25	20	16	380	163 561 003	163 561 013	58	110	65	72	3/4
32	25	16	460	163 561 004	163 561 014	68	123	71	79	1
40	32	16	850	163 561 005	163 561 015	84	146	85	94	1 1/4
50	40	16	1080	163 561 006	163 561 016	97	157	89	95	1 1/2
63	50	16	1670	163 561 007	163 561 017	124	183	101	107	2
75	65	16	2950	163 561 008	163 561 018	166	233	136	144	2 1/2
90	80	16	3600	163 561 009	163 561 019	200	254	141	151	3
110	100	16	4150	163 561 010	163 561 020	238	301	164	174	4

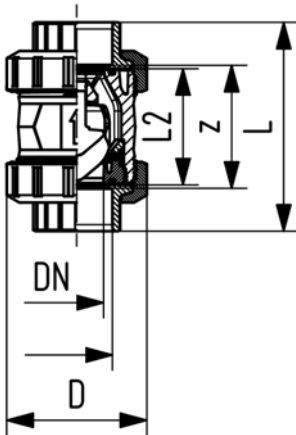
### Check valve type 561 PVC-C With threaded sockets Rp



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	163 561 021	163 561 031	50	95	56	69
1/2	15	10	180	163 561 022	163 561 032	50	100	56	67
3/4	20	10	380	163 561 023	163 561 033	58	114	65	78
1	25	10	460	163 561 024	163 561 034	68	127	71	85
1 1/4	32	10	850	163 561 025	163 561 035	84	146	85	100
1 1/2	40	10	1080	163 561 026	163 561 036	97	152	89	106
2	50	10	1670	163 561 027	163 561 037	124	177	101	121
2 1/2	65	10	2950	163 561 028	163 561 038	166	233	136	144
3	80	10	3600	163 561 029	163 561 039	200	254	141	151
4	100	10	4150	163 561 030	163 561 040	238	301	164	174

# PVC-C metric

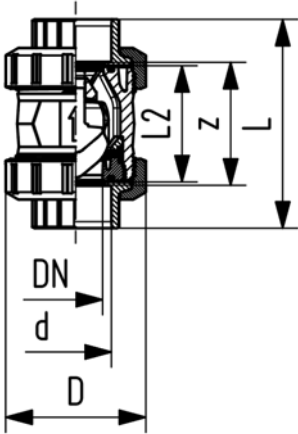
## Check valve type 562 PVC-C With solvent cement sockets metric



### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	163 562 001	163 562 011	50	92	56	64	3/8
20	15	16	180	163 562 002	163 562 012	50	95	56	64	1/2
25	20	16	380	163 562 003	163 562 013	58	110	65	72	3/4
32	25	16	460	163 562 004	163 562 014	68	123	71	79	1
40	32	16	850	163 562 005	163 562 015	84	146	85	94	1 1/4
50	40	16	1080	163 562 006	163 562 016	97	157	89	95	1 1/2
63	50	16	1670	163 562 007	163 562 017	124	183	101	107	2
75	65	16	2950	163 562 008	163 562 018	166	233	136	144	2 1/2
90	80	16	3600	163 562 009	163 562 019	200	254	141	151	3
110	100	16	4150	163 562 010	163 562 020	238	301	164	174	4

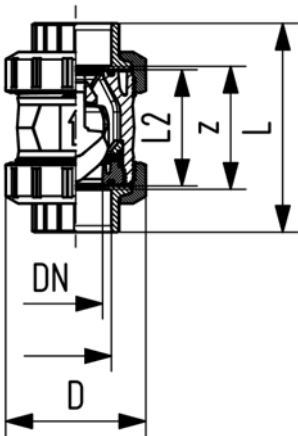
## Check valve type 562 PVC-C With threaded sockets Rp



### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	163 562 021	163 562 031	50	95	56	69
1/2	15	10	180	163 562 022	163 562 032	50	100	56	67
3/4	20	10	380	163 562 023	163 562 033	58	114	65	78
1	25	10	460	163 562 024	163 562 034	68	127	71	85
1 1/4	32	10	850	163 562 025	163 562 035	84	146	85	100
1 1/2	40	10	1080	163 562 026	163 562 036	97	152	89	106
2	50	10	1670	163 562 027	163 562 037	124	177	101	121
2 1/2	65	10	2950	163 562 028	163 562 038	166	233	136	144
3	80	10	3600	163 562 029	163 562 039	200	254	141	151
4	100	10	4150	163 562 030	163 562 040	238	301	164	174

# PVC-C metric silicone free/paintcompatible

## Cone check valves

### Check valve type 561 PVC-C SF

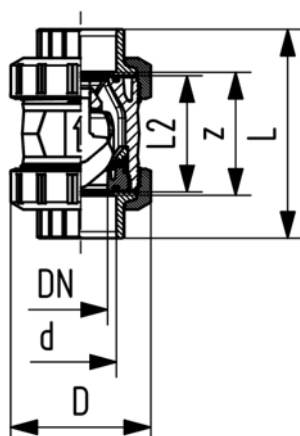
#### With solvent cement sockets metric



#### Model:

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	163 561 201	163 561 211	50	92	56	64	3/8
20	15	16	180	163 561 202	163 561 212	50	95	56	64	1/2
25	20	16	380	163 561 203	163 561 213	58	110	65	72	3/4
32	25	16	460	163 561 204	163 561 214	68	123	71	79	1
40	32	16	850	163 561 205	163 561 215	84	146	85	94	1 1/4
50	40	16	1080	163 561 206	163 561 216	97	157	89	95	1 1/2
63	50	16	1670	163 561 207	163 561 217	124	183	101	107	2
75	65	16	2950	163 561 208	163 561 218	166	233	136	144	2 1/2
90	80	16	3600	163 561 209	163 561 219	200	254	141	151	3
110	100	16	4150	163 561 210	163 561 220	238	301	164	174	4

### Check valve type 562 PVC-C SF

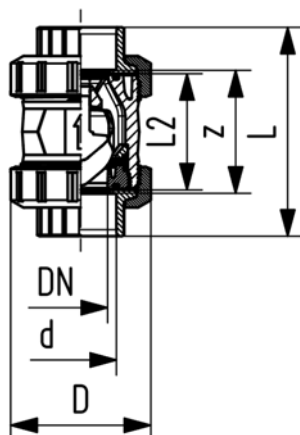
#### With solvent cement sockets metric



#### Model:

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

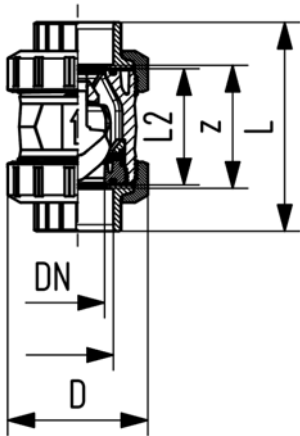


d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	163 562 201	163 562 211	50	92	56	64	3/8
20	15	16	180	163 562 202	163 562 212	50	95	56	64	1/2
25	20	16	380	163 562 203	163 562 213	58	110	65	72	3/4
32	25	16	460	163 562 204	163 562 214	68	123	71	79	1
40	32	16	850	163 562 205	163 562 215	84	146	85	94	1 1/4
50	40	16	1080	163 562 206	163 562 216	97	157	89	95	1 1/2
63	50	16	1670	163 562 207	163 562 217	124	183	101	107	2
75	65	16	2950	163 562 208	163 562 218	166	233	136	144	2 1/2
90	80	16	3600	163 562 209	163 562 219	200	254	141	151	3
110	100	16	4150	163 562 210	163 562 220	238	301	164	174	4

# PVC-C ASTM/ANSI/BS

## Cone check valves

### Check valve type 561 PVC-C With solvent cement sockets Inch ASTM Inclusive 2 threaded valve ends NPT



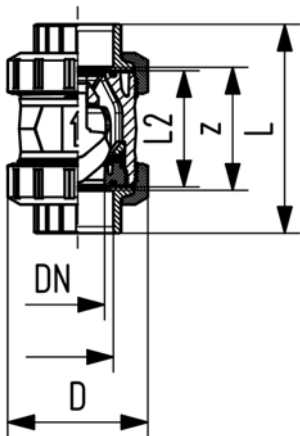
**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	163 561 101	163 561 111	50	105	56	67
1/2	15	16	180	163 561 102	163 561 112	50	105	56	61
3/4	20	16	380	163 561 103	163 561 113	58	121	65	70
1	25	16	460	163 561 104	163 561 114	68	133	71	76
1 1/4	32	16	850	163 561 105	163 561 115	84	154	85	90
1 1/2	40	16	1080	163 561 106	163 561 116	97	164	89	94
2	50	16	1670	163 561 107	163 561 117	124	183	101	107
2 1/2	65	16	2950	163 561 108	163 561 118	166	233	136	144
3	80	16	3600	163 561 109	163 561 119	200	254	141	151
4	100	16	4150	163 561 110	163 561 120	238	301	164	174

### Check valve type 562 PVC-C With solvent cement sockets Inch ASTM Inclusive 2 threaded valve ends NPT



**Model:**

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	163 562 101	163 562 111	50	105	56	67
1/2	15	16	180	163 562 102	163 562 112	50	105	56	61
3/4	20	16	380	163 562 103	163 562 113	58	121	65	70
1	25	16	460	163 562 104	163 562 114	68	133	71	76
1 1/4	32	16	850	163 562 105	163 562 115	84	154	85	90
1 1/2	40	16	1080	163 562 106	163 562 116	97	164	89	94
2	50	16	1670	163 562 107	163 562 117	124	183	101	107
2 1/2	65	16	2950	163 562 108	163 562 118	166	233	136	144
3	80	16	3600	163 562 109	163 562 119	200	254	141	151
4	100	16	4150	163 562 110	163 562 120	238	301	164	174

# PVC-C ASTM/ANSI silicone free

## Paint compatible Cone check valves

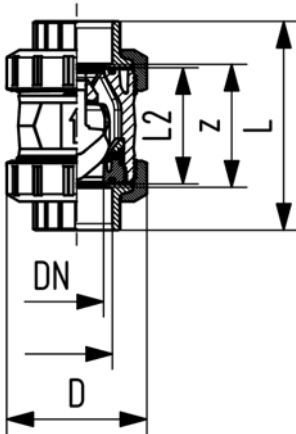
### Check valve type 561 PVC-C SF With solvent cement sockets Inch ASTM



**Model:**

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	<b>163 561 241</b>	<b>163 561 251</b>	50	105	56	67
1/2	15	16	180	<b>163 561 242</b>	<b>163 561 252</b>	50	105	56	61
3/4	20	16	380	<b>163 561 243</b>	<b>163 561 253</b>	58	121	65	70
1	25	16	460	<b>163 561 244</b>	<b>163 561 254</b>	68	133	71	76
1 1/4	32	16	850	<b>163 561 245</b>	<b>163 561 255</b>	84	154	85	90
1 1/2	40	16	1080	<b>163 561 246</b>	<b>163 561 256</b>	97	164	89	94
2	50	16	1670	<b>163 561 247</b>	<b>163 561 257</b>	124	183	101	107
2 1/2	65	16	2950	<b>163 561 248</b>	<b>163 561 258</b>	166	233	136	144
3	80	16	3600	<b>163 561 249</b>	<b>163 561 259</b>	200	254	141	151
4	100	16	4150	<b>163 561 250</b>	<b>163 561 260</b>	238	301	164	174

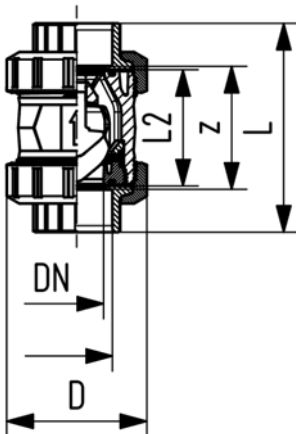
### Check valve type 562 PVC-C SF With solvent cement sockets Inch ASTM



**Model:**

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	16	190	<b>163 562 241</b>	<b>163 562 251</b>	50	105	56	67
1/2	15	16	180	<b>163 562 242</b>	<b>163 562 252</b>	50	105	56	61
3/4	20	16	380	<b>163 562 243</b>	<b>163 562 253</b>	58	121	65	70
1	25	16	460	<b>163 562 244</b>	<b>163 562 254</b>	68	133	71	76
1 1/4	32	16	850	<b>163 562 245</b>	<b>163 562 255</b>	84	154	85	90
1 1/2	40	16	1080	<b>163 562 246</b>	<b>163 562 256</b>	97	164	89	94
2	50	16	1670	<b>163 562 247</b>	<b>163 562 257</b>	124	183	101	107
2 1/2	65	16	2950	<b>163 562 248</b>	<b>163 562 258</b>	166	233	136	144
3	80	16	3600	<b>163 562 249</b>	<b>163 562 259</b>	200	254	141	151
4	100	16	4150	<b>163 562 250</b>	<b>163 562 260</b>	238	301	164	174

# ABS metric

## Cone check valves

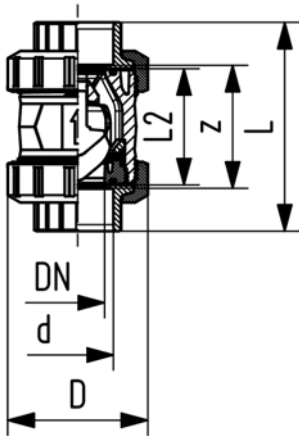
### Check valve type 561 ABS With solvent cement sockets metric



#### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>169 561 001</b>	50	92	56	64	3/8
20	15	10	180	<b>169 561 002</b>	50	95	56	64	1/2
25	20	10	380	<b>169 561 003</b>	58	110	65	72	3/4
32	25	10	460	<b>169 561 004</b>	68	123	71	79	1
40	32	10	850	<b>169 561 005</b>	84	146	85	94	1 1/4
50	40	10	1080	<b>169 561 006</b>	97	157	89	95	1 1/2
63	50	10	1670	<b>169 561 007</b>	124	183	101	107	2
75	65	10	2950	<b>169 561 008</b>	166	233	136	144	2 1/2
90	80	10	3600	<b>169 561 009</b>	200	254	141	151	3
110	100	10	4150	<b>169 561 010</b>	238	301	164	174	4

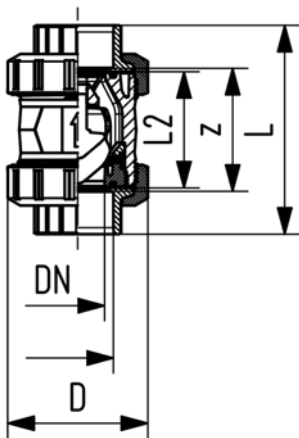
### Check valve type 561 ABS With threaded sockets Rp



#### Model:

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>169 561 021</b>	50	95	56	69
1/2	15	10	180	<b>169 561 022</b>	50	100	56	67
3/4	20	10	380	<b>169 561 023</b>	58	114	65	78
1	25	10	460	<b>169 561 024</b>	68	127	71	85
1 1/4	32	10	850	<b>169 561 025</b>	84	146	85	100
1 1/2	40	10	1080	<b>169 561 026</b>	97	152	89	106
2	50	10	1670	<b>169 561 027</b>	124	177	101	121

## ABS metric

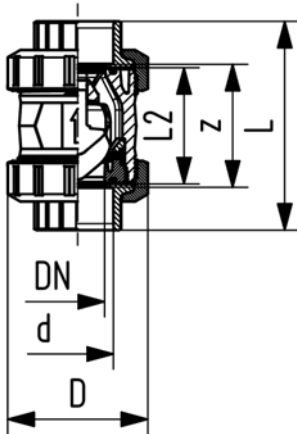
### Check valve type 562 ABS With solvent cement sockets metric



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>169 562 001</b>	50	92	56	64	3/8
20	15	10	180	<b>169 562 002</b>	50	95	56	64	1/2
25	20	10	380	<b>169 562 003</b>	58	110	65	72	3/4
32	25	10	460	<b>169 562 004</b>	68	123	71	79	1
40	32	10	850	<b>169 562 005</b>	84	146	85	94	1 1/4
50	40	10	1080	<b>169 562 006</b>	97	157	89	95	1 1/2
63	50	10	1670	<b>169 562 007</b>	124	183	101	107	2
75	65	10	2950	<b>169 562 008</b>	166	233	136	144	2 1/2
90	80	10	3600	<b>169 562 009</b>	200	254	141	151	3
110	100	10	4150	<b>169 562 010</b>	238	301	164	174	4

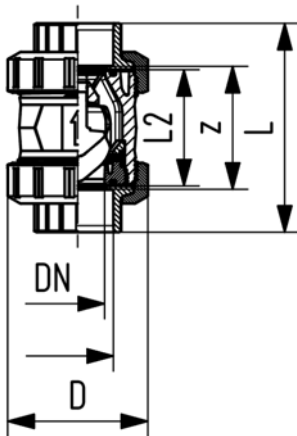
### Check valve type 562 ABS With threaded sockets Rp



#### Model:

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>169 562 021</b>	50	95	56	69
1/2	15	10	180	<b>169 562 022</b>	50	100	56	67
3/4	20	10	380	<b>169 562 023</b>	58	114	65	78
1	25	10	460	<b>169 562 024</b>	68	127	71	85
1 1/4	32	10	850	<b>169 562 025</b>	84	146	85	100
1 1/2	40	10	1080	<b>169 562 026</b>	97	152	89	106
2	50	10	1670	<b>169 562 027</b>	124	177	101	121

# ABS silicone free/paint compatible

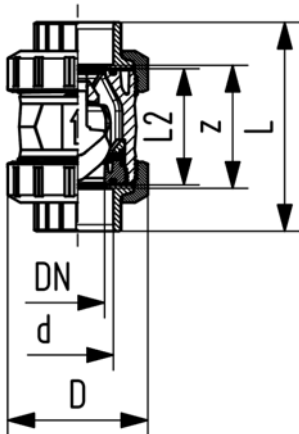
## Cone check valves

### Check valve type 561 ABS SF With solvent cement sockets metric



#### Model:

- Silicone free / paint-compatible
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100



Available from 2nd quarter 2011

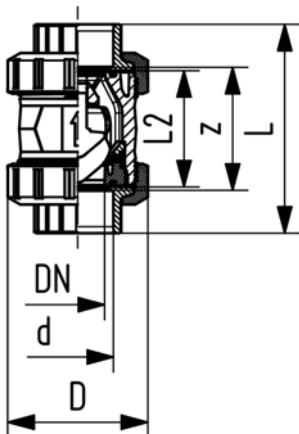
d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>169 561 201</b>	50	92	56	64	3/8
20	15	10	180	<b>169 561 202</b>	50	95	56	64	1/2
25	20	10	380	<b>169 561 203</b>	58	110	65	72	3/4
32	25	10	460	<b>169 561 204</b>	68	123	71	79	1
40	32	10	850	<b>169 561 205</b>	84	146	85	94	1 1/4
50	40	10	1080	<b>169 561 206</b>	97	157	89	95	1 1/2
63	50	10	1670	<b>169 561 207</b>	124	183	101	107	2
75	65	10	2950	<b>169 561 208</b>	166	233	136	144	2 1/2
90	80	10	3600	<b>169 561 209</b>	200	254	141	151	3
110	100	10	4150	<b>169 561 210</b>	238	301	164	174	4

### Check valve type 562 ABS SF With solvent cement sockets metric



#### Model:

- Silicone free / paint-compatible
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100



Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>169 562 201</b>	50	92	56	64	3/8
20	15	10	180	<b>169 562 202</b>	50	95	56	64	1/2
25	20	10	380	<b>169 562 203</b>	58	110	65	72	3/4
32	25	10	460	<b>169 562 204</b>	68	123	71	79	1
40	32	10	850	<b>169 562 205</b>	84	146	85	94	1 1/4
50	40	10	1080	<b>169 562 206</b>	97	157	89	95	1 1/2
63	50	10	1670	<b>169 562 207</b>	124	183	101	107	2
75	65	10	2950	<b>169 562 208</b>	166	233	136	144	2 1/2
90	80	10	3600	<b>169 562 209</b>	200	254	141	151	3
110	100	10	4150	<b>169 562 210</b>	238	301	164	174	4



# ABS Inch BS

## Cone check valves

### Check valve type 561 ABS

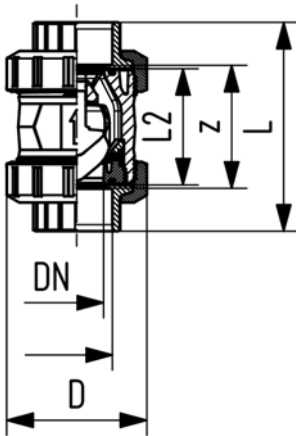
#### With solvent cement sockets Inch BS



**Model:**

- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>169 561 061</b>	50	92	56	60
1/2	15	10	180	<b>169 561 062</b>	50	95	56	60
3/4	20	10	380	<b>169 561 063</b>	58	110	65	69
1	25	10	460	<b>169 561 064</b>	68	123	71	75
1 1/4	32	10	850	<b>169 561 065</b>	84	146	85	89
1 1/2	40	10	1080	<b>169 561 066</b>	97	157	89	97
2	50	10	1670	<b>169 561 067</b>	124	183	101	110
2 1/2	65	10	2950	<b>169 561 068</b>	166	233	136	144
3	80	10	3600	<b>169 561 069</b>	200	254	141	151
4	100	10	4150	<b>169 561 070</b>	238	301	164	174

### Check valve type 562 ABS

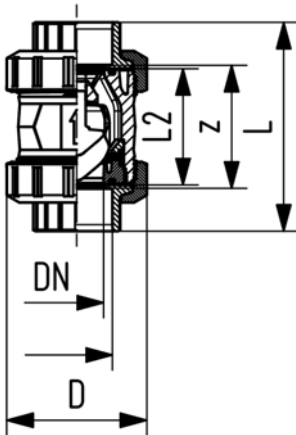
#### With solvent cement sockets Inch BS



**Model:**

- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



Inch	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>169 562 061</b>	50	92	56	60
1/2	15	10	180	<b>169 562 062</b>	50	95	56	60
3/4	20	10	380	<b>169 562 063</b>	58	110	65	69
1	25	10	460	<b>169 562 064</b>	68	123	71	75
1 1/4	32	10	850	<b>169 562 065</b>	84	146	85	89
1 1/2	40	10	1080	<b>169 562 066</b>	97	157	89	97
2	50	10	1670	<b>169 562 067</b>	124	183	101	110
2 1/2	65	10	2950	<b>169 562 068</b>	166	233	136	144
3	80	10	3600	<b>169 562 069</b>	200	254	141	151
4	100	10	4150	<b>169 562 070</b>	238	301	164	174

# PROGEF Standard metric

## Cone check valves

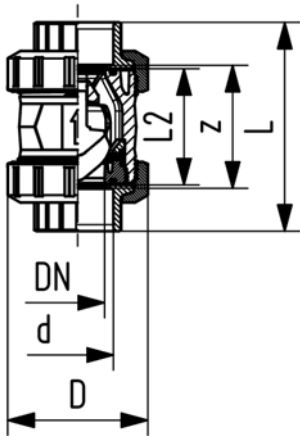
### PROGEF Standard Check valve type 561 With fusion sockets metric



**Model:**

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	167 561 001	167 561 011	50	93	56	67	3/8
20	15	10	180	167 561 002	167 561 012	50	95	56	66	1/2
25	20	10	380	167 561 003	167 561 013	58	109	65	77	3/4
32	25	10	460	167 561 004	167 561 014	68	119	71	83	1
40	32	10	850	167 561 005	167 561 015	84	135	85	99	1 1/4
50	40	10	1080	167 561 006	167 561 016	97	147	89	105	1 1/2
63	50	10	1670	167 561 007	167 561 017	124	168	101	117	2
75	65	10	2950	167 561 008	167 561 018	166	233	136	167	2 1/2
90	80	10	3600	167 561 009	167 561 019	200	254	141	180	3
110	100	10	4150	167 561 010	167 561 020	238	301	164	215	4

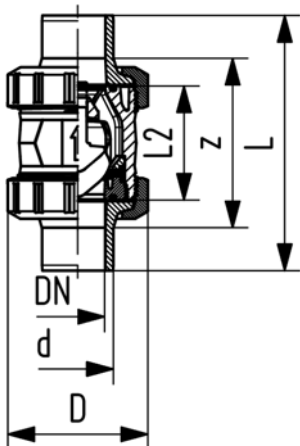
### PROGEF Standard Check valve type 561 With socket fusion spigots metric



**Model:**

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	10	190	167 561 041	167 561 051	50	110	56	3/8
20	15	10	180	167 561 042	167 561 052	50	120	56	1/2
25	20	10	380	167 561 043	167 561 053	58	139	65	3/4
32	25	10	460	167 561 044	167 561 054	68	150	71	1
40	32	10	850	167 561 045	167 561 055	84	170	85	1 1/4
50	40	10	1080	167 561 046	167 561 056	97	190	89	1 1/2
63	50	10	1670	167 561 047	167 561 057	124	220	101	2
75	65	10	2950	167 561 048	167 561 058	166	280	136	2 1/2
90	80	10	3600	167 561 049	167 561 059	200	296	141	3
110	100	10	4150	167 561 050	167 561 060	238	336	164	4

# PROGEF Standard metric

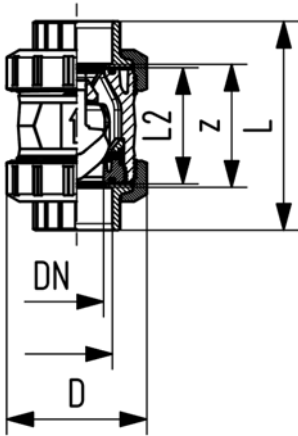
## PROGEF Standard Check valve type 561 With threaded sockets reinforced Rp



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	167 561 021	167 561 031	50	96	56	69
1/2	15	10	180	167 561 022	167 561 032	50	99	56	67
3/4	20	10	380	167 561 023	167 561 033	58	111	65	78
1	25	10	460	167 561 024	167 561 034	68	127	71	85
1 1/4	32	10	850	167 561 025	167 561 035	84	146	85	100
1 1/2	40	10	1080	167 561 026	167 561 036	97	157	89	106
2	50	10	1670	167 561 027	167 561 037	124	183	101	121

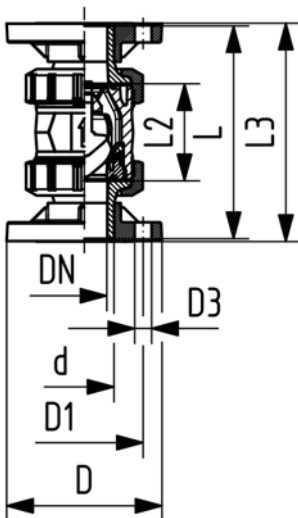
## PROGEF Standard Check valve type 561 With fixed flanges metric



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

Available from 2nd quarter 2011

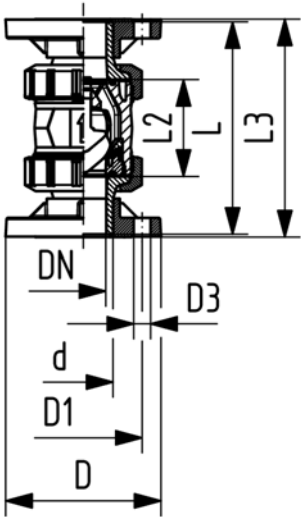


d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	10	180	167 561 182	167 561 192
25	20	10	380	167 561 183	167 561 193
32	25	10	460	167 561 184	167 561 194
40	32	10	850	167 561 185	167 561 195
50	40	10	1080	167 561 186	167 561 196
63	50	10	1670	167 561 187	167 561 197

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	95	65	14	120	56	130	1/2
25	105	75	14	140	65	150	3/4
32	115	85	14	150	71	160	1

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# PROGEF Standard metric



d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
40	140	100	18	170	85	180	1 ¼
50	150	110	18	190	89	200	1 ½
63	165	125	18	220	101	230	2



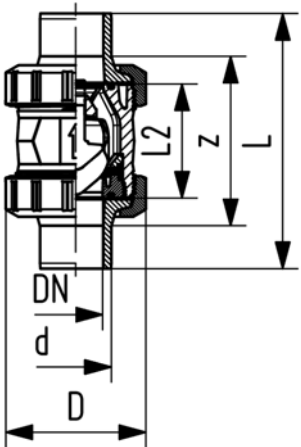
## PROGEF Standard Check valve type 561 With butt fusion spigots SDR17,6 metric



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

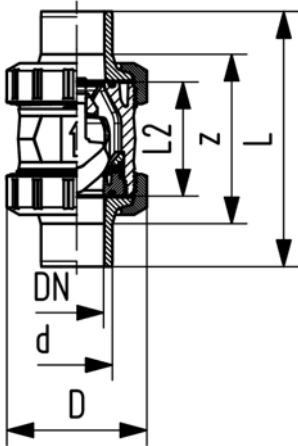
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
50	40	10	1080	<b>167 561 066</b>	<b>167 561 076</b>	97	191	89	2.9	1 ½
63	50	10	1670	<b>167 561 067</b>	<b>167 561 077</b>	124	220	101	3.6	2
75	65	10	2950	<b>167 561 068</b>	<b>167 561 078</b>	166	266	136	4.7	2 ½
90	80	10	3600	<b>167 561 069</b>	<b>167 561 079</b>	200	264	141	5.5	3
110	100	10	4150	<b>167 561 070</b>	<b>167 561 080</b>	238	301	164	6.8	4

# PROGEF Standard metric

## PROGEF Standard Check valve type 561 With butt fusion spigots IR-Plus SDR11 metric



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	<b>167 561 082</b>	<b>167 561 092</b>	50	130	56	1.9	1/2
25	20	10	380	<b>167 561 083</b>	<b>167 561 093</b>	58	143	65	2.3	3/4
32	25	10	460	<b>167 561 084</b>	<b>167 561 094</b>	68	150	71	3.0	1
40	32	10	850	<b>167 561 085</b>	<b>167 561 095</b>	84	171	85	3.7	1 1/4
50	40	10	1080	<b>167 561 086</b>	<b>167 561 096</b>	97	191	89	4.6	1 1/2
63	50	10	1670	<b>167 561 087</b>	<b>167 561 097</b>	124	220	101	5.8	2
75	65	10	2950	<b>167 561 088</b>	<b>167 561 098</b>	166	266	136	8.2	2 1/2
90	80	10	3600	<b>167 561 089</b>	<b>167 561 099</b>	200	264	141	9.9	3
110	100	10	4150	<b>167 561 090</b>	<b>167 561 100</b>	238	301	164	12.0	4

# PROGEF Standard metric

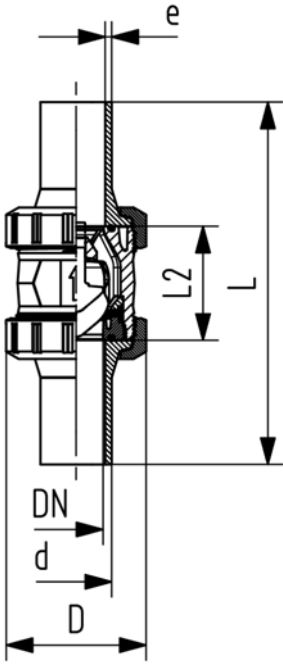
## PROGEF Standard Check valve type 561 With butt fusion spigots long PE100 SDR11 metric



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	<b>167 561 282</b>	<b>167 561 292</b>	50	193	56	2.3	1/2
25	20	10	380	<b>167 561 283</b>	<b>167 561 293</b>	58	216	65	2.3	3/4
32	25	10	460	<b>167 561 284</b>	<b>167 561 294</b>	68	223	71	3.0	1
40	32	10	850	<b>167 561 285</b>	<b>167 561 295</b>	84	249	85	3.7	1 1/4
50	40	10	1080	<b>167 561 286</b>	<b>167 561 296</b>	97	271	89	4.6	1 1/2
63	50	10	1670	<b>167 561 287</b>	<b>167 561 297</b>	124	321	101	5.8	2

# PROGEF Standard metric

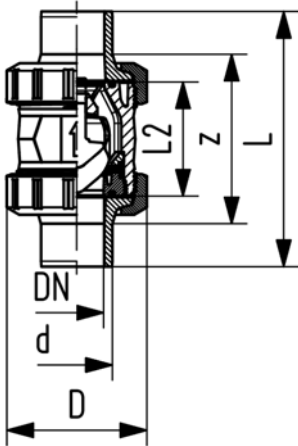
## PROGEF Standard Check valve type 561 With butt fusion spigots PE100 SDR17,6 metric



### Model:

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
50	40	10	1080	<b>167 561 266</b>	<b>167 561 276</b>	97	191	89	2.9	1 ½
63	50	10	1670	<b>167 561 267</b>	<b>167 561 277</b>	124	220	101	3.6	2

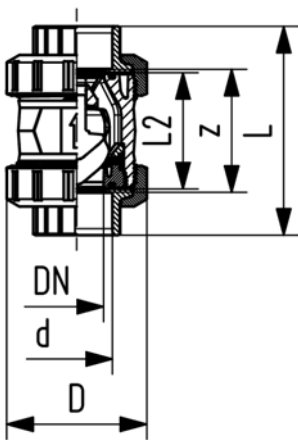
## PROGEF Standard Check valve type 562 With fusion sockets metric



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

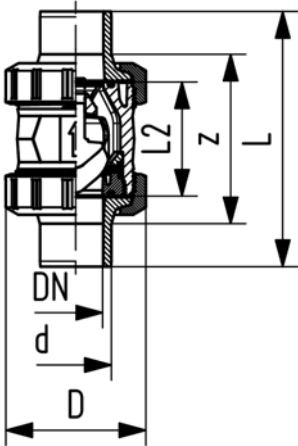
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>167 562 001</b>	<b>167 562 011</b>	50	93	56	67	¾
20	15	10	180	<b>167 562 002</b>	<b>167 562 012</b>	50	95	56	66	½
25	20	10	380	<b>167 562 003</b>	<b>167 562 013</b>	58	109	65	77	¾
32	25	10	460	<b>167 562 004</b>	<b>167 562 014</b>	68	119	71	83	1
40	32	10	850	<b>167 562 005</b>	<b>167 562 015</b>	84	135	85	99	1 ¼
50	40	10	1080	<b>167 562 006</b>	<b>167 562 016</b>	97	147	89	105	1 ½
63	50	10	1670	<b>167 562 007</b>	<b>167 562 017</b>	124	168	101	117	2
75	65	10	2950	<b>167 562 008</b>	<b>167 562 018</b>	166	233	136	167	2 ½
90	80	10	3600	<b>167 562 009</b>	<b>167 562 019</b>	200	254	141	180	3
110	100	10	4150	<b>167 562 010</b>	<b>167 562 020</b>	238	301	164	215	4

# PROGEF Standard metric

## PROGEF Standard Check valve type 562 With socket fusion spigots metric



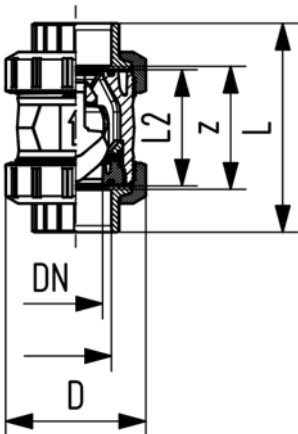
### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	10	190	167 562 041	167 562 051	50	110	56	3/8
20	15	10	180	167 562 042	167 562 052	50	120	56	1/2
25	20	10	380	167 562 043	167 562 053	58	139	65	3/4
32	25	10	460	167 562 044	167 562 054	68	150	71	1
40	32	10	850	167 562 045	167 562 055	84	170	85	1 1/4
50	40	10	1080	167 562 046	167 562 056	97	190	89	1 1/2
63	50	10	1670	167 562 047	167 562 057	124	220	101	2
75	65	10	2950	167 562 048	167 562 058	166	280	136	2 1/2
90	80	10	3600	167 562 049	167 562 059	200	296	141	3
110	100	10	4150	167 562 050	167 562 060	238	336	164	4

## PROGEF Standard Check valve type 562 With threaded sockets reinforced Rp



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

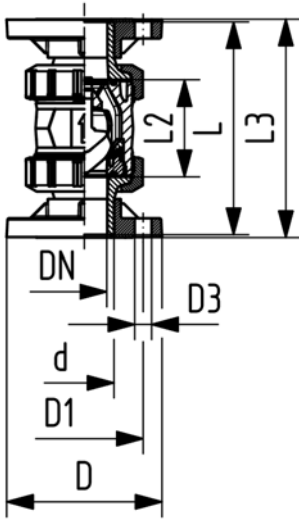
Available from 2nd quarter 2011

Rp [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	167 562 021	167 562 031	50	96	56	69
1/2	15	10	180	167 562 022	167 562 032	50	99	56	67
3/4	20	10	380	167 562 023	167 562 033	58	111	65	78
1	25	10	460	167 562 024	167 562 034	68	127	71	85
1 1/4	32	10	850	167 562 025	167 562 035	84	146	85	100
1 1/2	40	10	1080	167 562 026	167 562 036	97	157	89	106
2	50	10	1670	167 562 027	167 562 037	124	183	101	121



# PROGEF Standard metric

## PROGEF Standard Check valve type 562 With fixed flanges metric



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

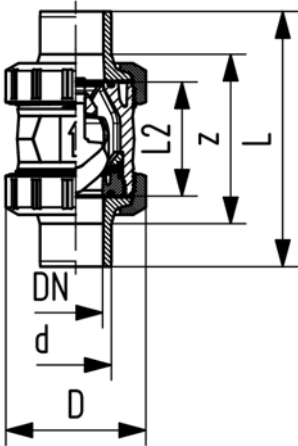
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	10	180	<b>167 562 182</b>	<b>167 562 192</b>
25	20	10	380	<b>167 562 183</b>	<b>167 562 193</b>
32	25	10	460	<b>167 562 184</b>	<b>167 562 194</b>
40	32	10	850	<b>167 562 185</b>	<b>167 562 195</b>
50	40	10	1080	<b>167 562 186</b>	<b>167 562 196</b>
63	50	10	1670	<b>167 562 187</b>	<b>167 562 197</b>

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	95	65	14	120	56	130	1/2
25	105	75	14	140	65	150	3/4
32	115	85	14	150	71	160	1
40	140	100	18	170	85	180	1 1/4
50	150	110	18	190	89	200	1 1/2
63	165	125	18	220	101	230	2

# PROGEF Standard metric

## PROGEF Standard Check valve type 562 With butt fusion spigots SDR17,6 metric



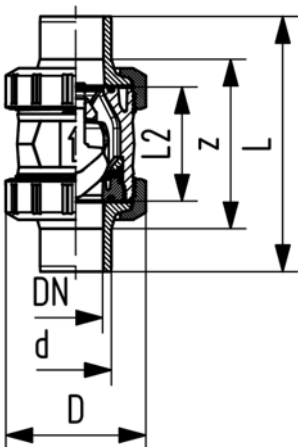
### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
50	40	10	1080	167 562 066	167 562 076	97	191	89	2.9	1 ½
63	50	10	1670	167 562 067	167 562 077	124	220	101	3.6	2
75	65	10	2950	167 562 068	167 562 078	166	266	136	4.7	2 ½
90	80	10	3600	167 562 069	167 562 079	200	264	141	5.5	3
110	100	10	4150	167 562 070	167 562 080	238	301	164	6.8	4

## PROGEF Standard Check valve type 562 With butt fusion spigots IR-Plus SDR11 metric



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	167 562 082	167 562 092	50	130	56	1.9	¾
25	20	10	380	167 562 083	167 562 093	58	143	65	2.3	¾
32	25	10	460	167 562 084	167 562 094	68	150	71	3.0	1
40	32	10	850	167 562 085	167 562 095	84	171	85	3.7	1 ¼
50	40	10	1080	167 562 086	167 562 096	97	191	89	4.6	1 ½
63	50	10	1670	167 562 087	167 562 097	124	220	101	5.8	2
75	65	10	2950	167 562 088	167 562 098	166	266	136	8.2	2 ½
90	80	10	3600	167 562 089	167 562 099	200	264	141	9.9	3
110	100	10	4150	167 562 090	167 562 100	238	301	164	12.0	4

# PROGEF Standard metric

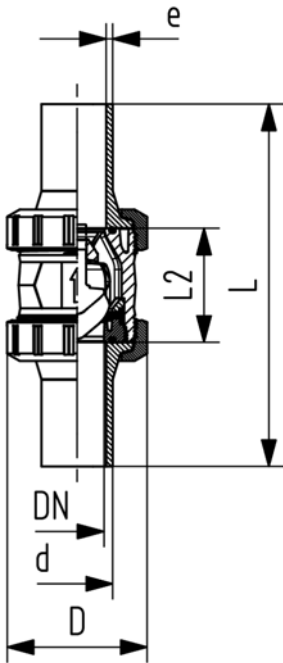
## PROGEF Standard Check valve type 562 With butt fusion spigots long PE100 SDR11 metric



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	<b>167 562 282</b>	<b>167 562 292</b>	50	193	56	2.3	1/2
25	20	10	380	<b>167 562 283</b>	<b>167 562 293</b>	58	216	65	2.3	3/4
32	25	10	460	<b>167 562 284</b>	<b>167 562 294</b>	68	223	71	3.0	1
40	32	10	850	<b>167 562 285</b>	<b>167 562 295</b>	84	249	85	3.7	1 1/4
50	40	10	1080	<b>167 562 286</b>	<b>167 562 296</b>	97	271	89	4.6	1 1/2
63	50	10	1670	<b>167 562 287</b>	<b>167 562 297</b>	124	321	101	5.8	2

# PROGEF Standard metric

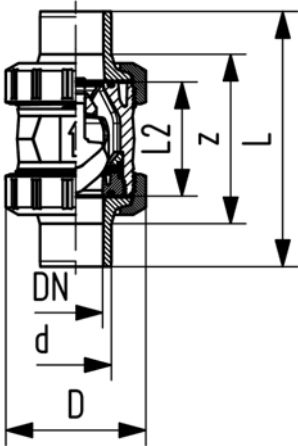
## PROGEF Standard Check valve type 562 With butt fusion spigots PE100 SDR17,6 metric



### Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
50	40	10	1080	<b>167 562 266</b>	<b>167 562 276</b>	97	191	89	2.9	1 ½
63	50	10	1670	<b>167 562 267</b>	<b>167 562 277</b>	124	220	101	3.6	2

# PROGEF Standard ASTM/ANSI

## Cone check valves

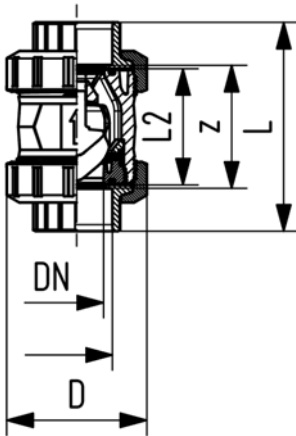
### PROGEF Standard Check valve type 561 With threaded sockets reinforced NPT



**Model:**

- Material: PP-H
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011



NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>167 561 101</b>	<b>167 561 111</b>	50	96	56	71
1/2	15	10	180	<b>167 561 102</b>	<b>167 561 112</b>	50	99	56	64
3/4	20	10	380	<b>167 561 103</b>	<b>167 561 113</b>	58	111	65	76
1	25	10	460	<b>167 561 104</b>	<b>167 561 114</b>	68	127	71	83
1 1/4	32	10	850	<b>167 561 105</b>	<b>167 561 115</b>	84	146	85	100
1 1/2	40	10	1080	<b>167 561 106</b>	<b>167 561 116</b>	97	157	89	111
2	50	10	1670	<b>167 561 107</b>	<b>167 561 117</b>	124	183	101	134

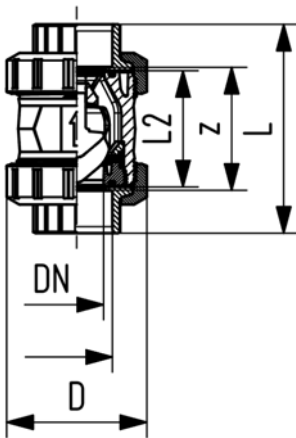
### PROGEF Standard Check valve type 562 With threaded sockets reinforced NPT



**Model:**

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Available from 2nd quarter 2011

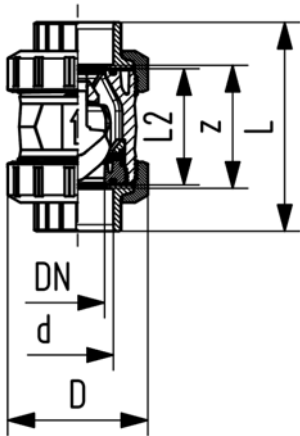


NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>167 562 101</b>	<b>167 562 111</b>	50	96	56	71
1/2	15	10	180	<b>167 562 102</b>	<b>167 562 112</b>	50	99	56	64
3/4	20	10	380	<b>167 562 103</b>	<b>167 562 113</b>	58	111	65	76
1	25	10	460	<b>167 562 104</b>	<b>167 562 114</b>	68	127	71	83
1 1/4	32	10	850	<b>167 562 105</b>	<b>167 562 115</b>	84	146	85	100
1 1/2	40	10	1080	<b>167 562 106</b>	<b>167 562 116</b>	97	157	89	111
2	50	10	1670	<b>167 562 107</b>	<b>167 562 117</b>	124	183	101	134

# PROGEF Plus metric/ASTM/ANSI/BS

## Cone check valves

### PROGEF Plus silicone free Check valve type 561 With fusion sockets metric



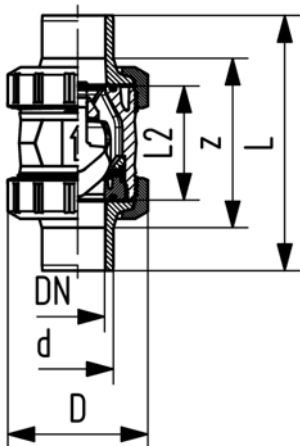
**Model:**

- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	167 561 201	167 561 211	50	93	56	67	3/8
20	15	10	180	167 561 202	167 561 212	50	95	56	66	1/2
25	20	10	380	167 561 203	167 561 213	58	109	65	77	3/4
32	25	10	460	167 561 204	167 561 214	68	119	71	83	1
40	32	10	850	167 561 205	167 561 215	84	135	85	99	1 1/4
50	40	10	1080	167 561 206	167 561 216	97	147	89	105	1 1/2
63	50	10	1670	167 561 207	167 561 217	124	168	101	117	2
75	65	10	2950	167 561 208	167 561 218	166	233	136	167	2 1/2
90	80	10	3600	167 561 209	167 561 219	200	254	141	180	3
110	100	10	4150	167 561 210	167 561 220	238	301	164	215	4

### PROGEF Plus silicone free Check valve type 561 With socket fusion spigots metric



**Model:**

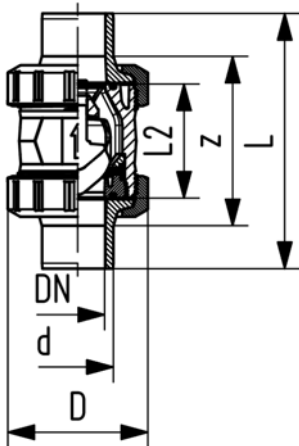
- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
16	10	10	190	167 561 221	167 561 231	50	110	56		3/8
20	15	10	180	167 561 222	167 561 232	50	120	56	130	1/2
25	20	10	380	167 561 223	167 561 233	58	139	65	150	3/4
32	25	10	460	167 561 224	167 561 234	68	150	71	160	1
40	32	10	850	167 561 225	167 561 235	84	170	85	180	1 1/4
50	40	10	1080	167 561 226	167 561 236	97	190	89	200	1 1/2
63	50	10	1670	167 561 227	167 561 237	124	220	101	230	2
75	65	10	2950	167 561 228	167 561 238	166	280	136	290	2 1/2
90	80	10	3600	167 561 229	167 561 239	200	296	141	310	3
110	100	10	4150	167 561 230	167 561 240	238	336	164	350	4

# PROGEF Plus metric/ASTM/ANSI/BS

## PROGEF Plus silicone free Check valve type 561 With butt fusion spigots IR-Plus SDR11 metric



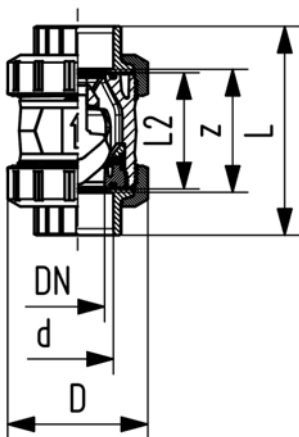
### Model:

- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	<b>167 561 242</b>	<b>167 561 252</b>	50	130	56	1.9	1/2
25	20	10	380	<b>167 561 243</b>	<b>167 561 253</b>	58	143	65	2.3	3/4
32	25	10	460	<b>167 561 244</b>	<b>167 561 254</b>	68	150	71	3.0	1
40	32	10	850	<b>167 561 245</b>	<b>167 561 255</b>	84	171	85	3.7	1 1/4
50	40	10	1080	<b>167 561 246</b>	<b>167 561 256</b>	97	191	89	4.6	1 1/2
63	50	10	1670	<b>167 561 247</b>	<b>167 561 257</b>	124	220	101	5.8	2
75	65	10	2950	<b>167 561 248</b>	<b>167 561 258</b>	166	266	136	8.2	2 1/2
90	80	10	3600	<b>167 561 249</b>	<b>167 561 259</b>	200	264	141	9.9	3
110	100	10	4150	<b>167 561 250</b>	<b>167 561 260</b>	238	301	164	12.0	4

## PROGEF Plus silicone free Check valve type 562 With fusion sockets metric



### Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

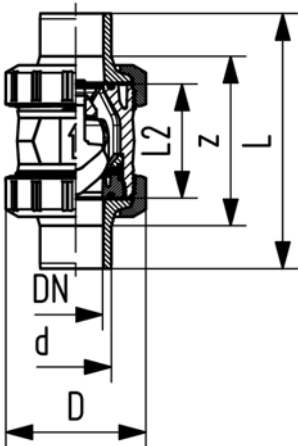
d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	10	190	<b>167 562 201</b>	<b>167 562 211</b>	50	93	56	67	3/8
20	15	10	180	<b>167 562 202</b>	<b>167 562 212</b>	50	95	56	66	1/2
25	20	10	380	<b>167 562 203</b>	<b>167 562 213</b>	58	109	65	77	3/4
32	25	10	460	<b>167 562 204</b>	<b>167 562 214</b>	68	119	71	83	1
40	32	10	850	<b>167 562 205</b>	<b>167 562 215</b>	84	135	85	99	1 1/4
50	40	10	1080	<b>167 562 206</b>	<b>167 562 216</b>	97	147	89	105	1 1/2
63	50	10	1670	<b>167 562 207</b>	<b>167 562 217</b>	124	168	101	117	2
75	65	10	2950	<b>167 562 208</b>	<b>167 562 218</b>	166	233	136	167	2 1/2
90	80	10	3600	<b>167 562 209</b>	<b>167 562 219</b>	200	254	141	180	3
110	100	10	4150	<b>167 562 210</b>	<b>167 562 220</b>	238	301	164	215	4

# PROGEF Plus metric/ASTM/ANSI/BS

## PROGEF Plus silicone free

### Check valve type 562

#### With socket fusion spigots metric



#### Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

Available from 2nd quarter 2011

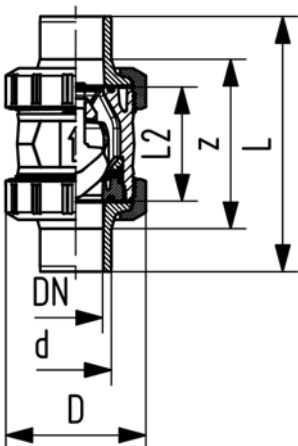
d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	10	190	167 562 221	167 562 231	50	110	56	3/8
20	15	10	180	167 562 222	167 562 232	50	120	56	1/2
25	20	10	380	167 562 223	167 562 233	58	139	65	3/4
32	25	10	460	167 562 224	167 562 234	68	150	71	1
40	32	10	850	167 562 225	167 562 235	84	170	85	1 1/4
50	40	10	1080	167 562 226	167 562 236	97	190	89	1 1/2
63	50	10	1670	167 562 227	167 562 237	124	220	101	2
75	65	10	2950	167 562 228	167 562 238	166	280	136	2 1/2
90	80	10	3600	167 562 229	167 562 239	200	296	141	3
110	100	10	4150	167 562 230	167 562 240	238	336	164	4

## PROGEF Plus silicone free

### Check valve type 562

#### With butt fusion spigots IR-Plus

#### SDR11 metric



#### Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- New DN65-DN100

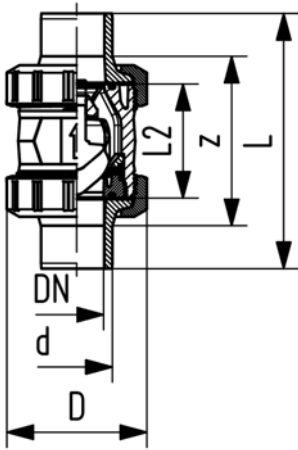
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	10	180	167 562 242	167 562 252	50	130	56	1.9	1/2
25	20	10	380	167 562 243	167 562 253	58	143	65	2.3	3/4
32	25	10	460	167 562 244	167 562 254	68	150	71	3.0	1
40	32	10	850	167 562 245	167 562 255	84	171	85	3.7	1 1/4
50	40	10	1080	167 562 246	167 562 256	97	191	89	4.6	1 1/2
63	50	10	1670	167 562 247	167 562 257	124	220	101	5.8	2

table continued next page



# PROGEF Plus metric/ASTM/ANSI/BS



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
75	65	10	2950	<b>167 562 248</b>	<b>167 562 258</b>	166	266	136	8.2	2 1/2
90	80	10	3600	<b>167 562 249</b>	<b>167 562 259</b>	200	264	141	9.9	3
110	100	10	4150	<b>167 562 250</b>	<b>167 562 260</b>	238	301	164	12.0	4

# SYGEF Standard metric/ASTM/ANSI

## Cone check valves

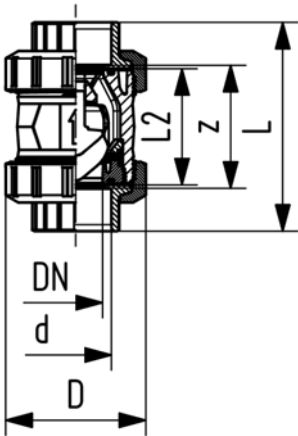
### SYGEF Standard Check valve type 561 With fusion sockets metric



**Model:**

- Material: PVDF
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	<b>175 561 011</b>	50	93	56	67	3/8
20	15	16	180	<b>175 561 012</b>	50	95	56	66	1/2
25	20	16	380	<b>175 561 013</b>	58	109	65	77	3/4
32	25	16	460	<b>175 561 014</b>	68	119	71	83	1
40	32	16	850	<b>175 561 015</b>	84	135	85	99	1 1/4
50	40	16	1080	<b>175 561 016</b>	97	147	89	105	1 1/2
63	50	16	1670	<b>175 561 017</b>	124	168	101	117	2

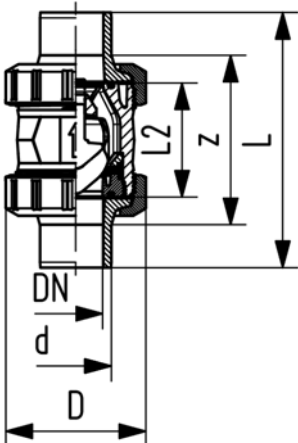
### SYGEF Standard Check valve type 561 With socket fusion spigots metric



**Model:**

- Material: PVDF
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	<b>175 561 051</b>	50	110	56	3/8
20	15	16	180	<b>175 561 052</b>	50	120	56	1/2
25	20	16	380	<b>175 561 053</b>	58	139	65	3/4
32	25	16	460	<b>175 561 054</b>	68	150	71	1
40	32	16	850	<b>175 561 055</b>	84	170	85	1 1/4
50	40	16	1080	<b>175 561 056</b>	97	190	89	1 1/2
63	50	16	1670	<b>175 561 057</b>	124	220	101	2

# SYGEF Standard metric/ASTM/ANSI

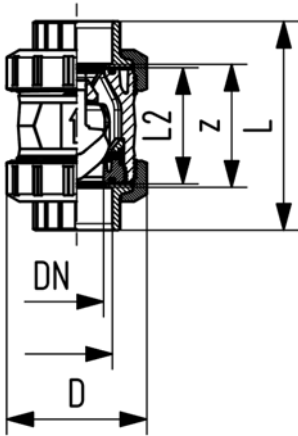
## SYGEF Standard Check valve type 561 With threaded sockets NPT



### Model:

- Material: PVDF
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	<b>175 561 111</b>	50	96	56	69
1/2	15	10	180	<b>175 561 112</b>	50	99	56	64
3/4	20	10	380	<b>175 561 113</b>	58	111	65	76
1	25	10	460	<b>175 561 114</b>	68	127	71	83
1 1/4	32	10	850	<b>175 561 115</b>	84	146	85	101
1 1/2	40	10	1080	<b>175 561 116</b>	97	157	89	111
2	50	10	1670	<b>175 561 117</b>	124	183	101	135

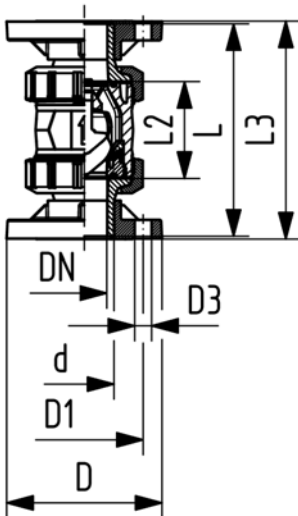
## SYGEF Standard Check valve type 561 With fixed flanges metric



### Model:

- Material: PVDF
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	15	16	180	<b>175 561 192</b>	93	65	14	120	56	130	1/2
25	20	16	380	<b>175 561 193</b>	103	75	14	140	65	150	3/4
32	25	16	460	<b>175 561 194</b>	115	85	14	150	71	160	1
40	32	16	850	<b>175 561 195</b>	137	100	18	170	85	180	1 1/4
50	40	16	1080	<b>175 561 196</b>	147	110	18	190	89	200	1 1/2
63	50	16	1670	<b>175 561 197</b>	162	125	18	220	101	230	2

# SYGEF Standard metric/ASTM/ANSI

## SYGEF Standard

### Check valve type 561

#### With butt fusion spigots IR-Plus metric

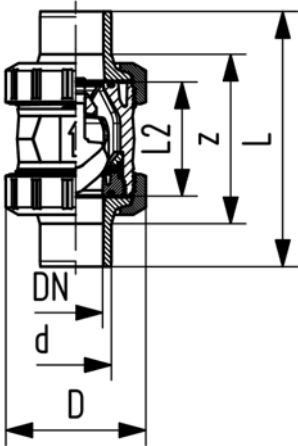


#### Model:

- Material: PVDF
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>175 561 092</b>	50	130	56	1.9	½
25	20	16	380	<b>175 561 093</b>	58	143	65	1.9	¾
32	25	16	460	<b>175 561 094</b>	68	150	71	2.4	1
40	32	16	850	<b>175 561 095</b>	84	171	85	2.4	1 ¼
50	40	16	1080	<b>175 561 096</b>	97	191	89	3.0	1 ½
63	50	16	1670	<b>175 561 097</b>	124	220	101	3.0	2

## SYGEF Standard

### Check valve type 562

#### With fusion sockets metric

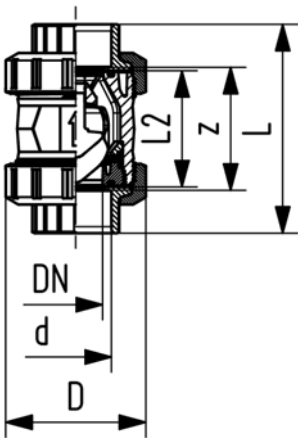


#### Model:

- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	<b>175 562 011</b>	50	93	56	67	¾
20	15	16	180	<b>175 562 012</b>	50	95	56	66	½
25	20	16	380	<b>175 562 013</b>	58	109	65	77	¾
32	25	16	460	<b>175 562 014</b>	68	119	71	83	1
40	32	16	850	<b>175 562 015</b>	84	135	85	99	1 ¼
50	40	16	1080	<b>175 562 016</b>	97	147	89	105	1 ½
63	50	16	1670	<b>175 562 017</b>	124	168	101	117	2

# SYGEF Standard metric/ASTM/ANSI

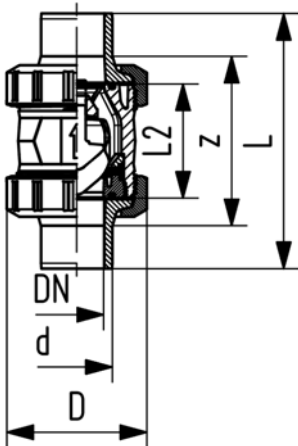
## SYGEF Standard Check valve type 562 With socket fusion spigots metric



### Model:

- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
16	10	16	190	175 562 051	50	110	56	3/8
20	15	16	180	175 562 052	50	120	56	1/2
25	20	16	380	175 562 053	58	139	65	3/4
32	25	16	460	175 562 054	68	150	71	1
40	32	16	850	175 562 055	84	170	85	1 1/4
50	40	16	1080	175 562 056	97	190	89	1 1/2
63	50	16	1670	175 562 057	124	220	101	2

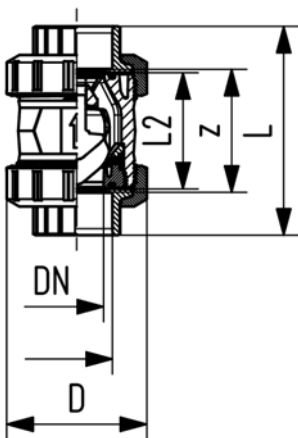
## SYGEF Standard Check valve type 562 With threaded sockets NPT



### Model:

- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

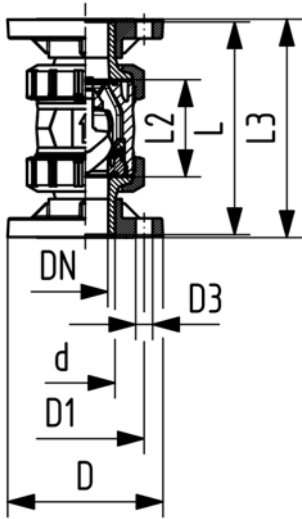
Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



NPT [inch]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]
3/8	10	10	190	175 562 111	50	96	56	69
1/2	15	10	180	175 562 112	50	99	56	64
3/4	20	10	380	175 562 113	58	111	65	76
1	25	10	460	175 562 114	68	127	71	83
1 1/4	32	10	850	175 562 115	84	146	85	101
1 1/2	40	10	1080	175 562 116	97	157	89	111
2	50	10	1670	175 562 117	124	183	101	135

# SYGEF Standard metric/ASTM/ANSI

## SYGEF Standard Check valve type 562 With fixed flanges metric



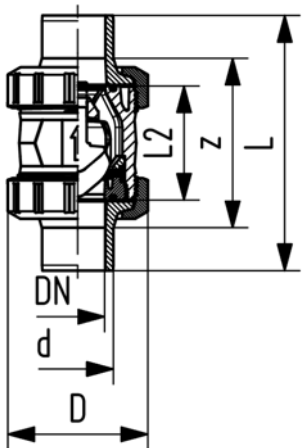
### Model:

- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	closest inch
20	15	16	180	<b>175 562 192</b>	93	65	14	120	56	130	½
25	20	16	380	<b>175 562 193</b>	103	75	14	140	65	150	¾
32	25	16	460	<b>175 562 194</b>	115	85	14	150	71	160	1
40	32	16	850	<b>175 562 195</b>	137	100	18	170	85	180	1 ¼
50	40	16	1080	<b>175 562 196</b>	147	110	18	190	89	200	1 ½
63	50	16	1670	<b>175 562 197</b>	162	125	18	220	101	230	2

## SYGEF Standard Check valve type 562 With butt fusion spigots IR-Plus metric



### Model:

- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>175 562 092</b>	50	130	56	1.9	½
25	20	16	380	<b>175 562 093</b>	58	143	65	1.9	¾
32	25	16	460	<b>175 562 094</b>	68	150	71	2.4	1
40	32	16	850	<b>175 562 095</b>	84	171	85	2.4	1 ¼
50	40	16	1080	<b>175 562 096</b>	97	191	89	3.0	1 ½
63	50	16	1670	<b>175 562 097</b>	124	220	101	3.0	2

# SYGEF Standard metric/ASTM/ANSI

## Cone check valves silicone free

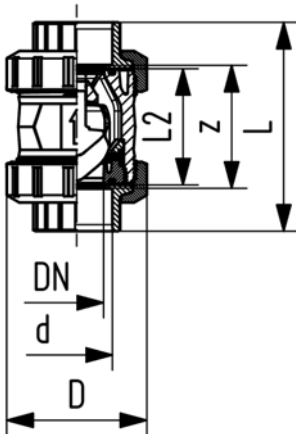
### SYGEF Standard silicone free Check valve type 561 With fusion sockets metric



**Model:**

- Material: PVDF / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	<b>175 561 211</b>	50	93	56	67	3/8
20	15	16	180	<b>175 561 212</b>	50	95	56	66	1/2
25	20	16	380	<b>175 561 213</b>	58	109	65	77	3/4
32	25	16	460	<b>175 561 214</b>	68	119	71	83	1
40	32	16	850	<b>175 561 215</b>	84	135	85	99	1 1/4
50	40	16	1080	<b>175 561 216</b>	97	147	89	105	1 1/2
63	50	16	1670	<b>175 561 217</b>	124	168	101	117	2

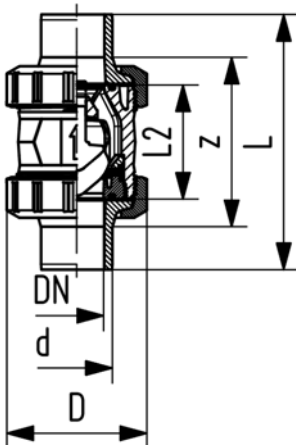
### SYGEF Standard silicone free Check valve type 561 With socket fusion spigots metric



**Model:**

- Material: PVDF / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
20	15	16	180	<b>175 561 232</b>	50	120	56	1/2
25	20	16	380	<b>175 561 233</b>	58	139	65	3/4
32	25	16	460	<b>175 561 234</b>	68	150	71	1
40	32	16	850	<b>175 561 235</b>	84	170	85	1 1/4
50	40	16	1080	<b>175 561 236</b>	97	190	89	1 1/2
63	50	16	1670	<b>175 561 237</b>	124	220	101	2

# SYGEF Standard metric/ASTM/ANSI

## SYGEF Standard silicone free Check valve type 561 With butt fusion spigots IR-Plus metric

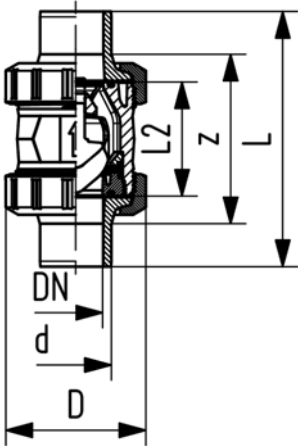


### Model:

- Material: PVDF / silicone free cleaned
- Designed for easy installation and removal
- Sealing at a minimum water column of 2m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

Available from 2nd quarter 2011



d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>175 561 272</b>	50	130	56	1.9	½
25	20	16	380	<b>175 561 273</b>	58	143	65	1.9	¾
32	25	16	460	<b>175 561 274</b>	68	150	71	2.4	1
40	32	16	850	<b>175 561 275</b>	84	171	85	2.4	1 ¼
50	40	16	1080	<b>175 561 276</b>	97	191	89	3.0	1 ½
63	50	16	1670	<b>175 561 277</b>	124	220	101	3.0	2

## SYGEF Standard silicone free Check valve type 562 With fusion sockets metric

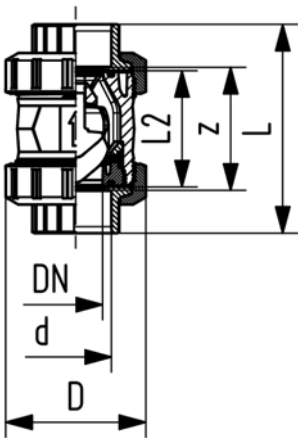


### Model:

- Material: PVDF / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

Available from 2nd quarter 2011

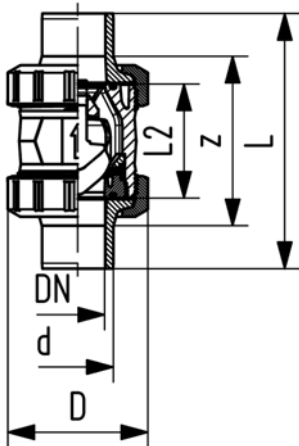


d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	<b>175 562 211</b>	50	93	56	67	¾
20	15	16	180	<b>175 562 212</b>	50	95	56	66	½
25	20	16	380	<b>175 562 213</b>	58	109	65	77	¾
32	25	16	460	<b>175 562 214</b>	68	119	71	83	1
40	32	16	850	<b>175 562 215</b>	84	135	85	99	1 ¼
50	40	16	1080	<b>175 562 216</b>	97	147	89	105	1 ½
63	50	16	1670	<b>175 562 217</b>	124	168	101	117	2



# SYGEF Standard metric/ASTM/ANSI

## SYGEF Standard silicone free Check valve type 562 With socket fusion spigots metric



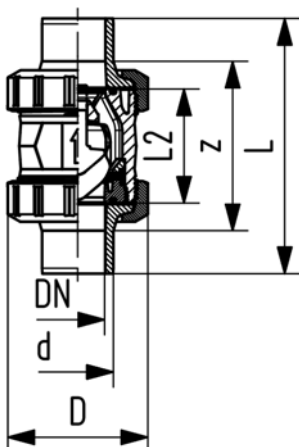
### Model:

- Material: PVDF / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	closest inch
20	15	16	180	<b>175 562 232</b>	50	120	56	½
25	20	16	380	<b>175 562 233</b>	58	139	65	¾
32	25	16	460	<b>175 562 234</b>	68	150	71	1
40	32	16	850	<b>175 562 235</b>	84	170	85	1 ¼
50	40	16	1080	<b>175 562 236</b>	97	190	89	1 ½
63	50	16	1670	<b>175 562 237</b>	124	220	101	2

## SYGEF Standard silicone free Check valve type 562 With butt fusion spigots IR-Plus metric



### Model:

- Material: PVDF / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Sealing at a minimum water column of 0.5m
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

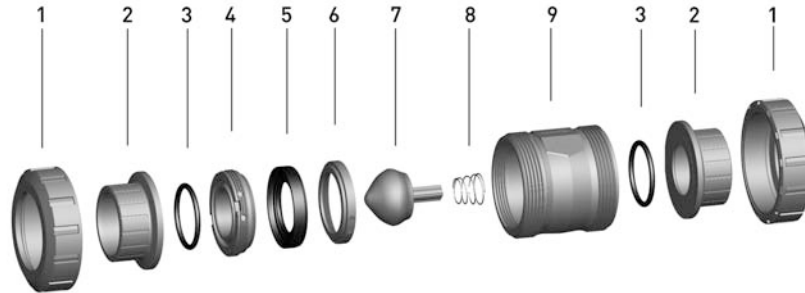
Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011

d [mm]	DN [mm]	PN	kv-value ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch
20	15	16	180	<b>175 562 272</b>	50	130	56	1.9	¾
25	20	16	380	<b>175 562 273</b>	58	143	65	1.9	¾
32	25	16	460	<b>175 562 274</b>	68	150	71	2.4	1
40	32	16	850	<b>175 562 275</b>	84	171	85	2.4	1 ¼
50	40	16	1080	<b>175 562 276</b>	97	191	89	3.0	1 ½
63	50	16	1670	<b>175 562 277</b>	124	220	101	3.0	2

# Spare parts

## Spare parts cone check valves

### Spare parts cone check valve type 561/562



### Central part without spring

**Model:**

- Central body consisting of: housing (9), union bush (4), support ring (6), cone (7), profile seal ring (5) and face seal (3)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	3/8	10	161 485 201	161 485 211	163 485 201	163 485 211	169 485 201
20	1/2	15	161 485 201	161 485 211	163 485 201	163 485 211	169 485 201
25	3/4	20	161 485 202	161 485 212	163 485 202	163 485 212	169 485 202
32	1	25	161 485 203	161 485 213	163 485 203	163 485 213	169 485 203
40	1 1/4	32	161 485 204	161 485 214	163 485 204	163 485 214	169 485 204
50	1 1/2	40	161 485 205	161 485 215	163 485 205	163 485 215	169 485 205
63	2	50	161 485 206	161 485 216	163 485 206	163 485 216	169 485 206
75	2 1/2	65	161 485 207	161 485 217	163 485 207	163 485 217	169 485 207
90	3	80	161 485 208	161 485 218	163 485 208	163 485 218	169 485 208
110	4	100	161 485 209	161 485 219	163 485 209	163 485 219	169 485 209

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	3/8	10	167 485 201	167 485 211	175 485 211
20	1/2	15	167 485 201	167 485 211	175 485 211
25	3/4	20	167 485 202	167 485 212	175 485 212
32	1	25	167 485 203	167 485 213	175 485 213
40	1 1/4	32	167 485 204	167 485 214	175 485 214
50	1 1/2	40	167 485 205	167 485 215	175 485 215
63	2	50	167 485 206	167 485 216	175 485 216
75	2 1/2	65	167 485 207	167 485 217	175 485 217
90	3	80	167 485 208	167 485 218	175 485 218
110	4	100	167 485 209	167 485 219	175 485 219



### Central part with spring

**Model:**

- Central body consisting of: housing (9), union bush (4), support ring (6), cone (7), spring V2A (8), profile seal ring (5) and face seal (3)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	3/8	10	161 485 221	161 485 231	163 485 221	163 485 231	169 485 221
20	1/2	15	161 485 221	161 485 231	163 485 221	163 485 231	169 485 221
25	3/4	20	161 485 222	161 485 232	163 485 222	163 485 232	169 485 222
32	1	25	161 485 223	161 485 233	163 485 223	163 485 233	169 485 223
40	1 1/4	32	161 485 224	161 485 234	163 485 224	163 485 234	169 485 224
50	1 1/2	40	161 485 225	161 485 235	163 485 225	163 485 235	169 485 225
63	2	50	161 485 226	161 485 236	163 485 226	163 485 236	169 485 226

table continued next page

## Spare parts

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
75	2 ½	65	161 485 227	161 485 237	163 485 227	163 485 237	169 485 227
90	3	80	161 485 228	161 485 238	163 485 228	163 485 238	169 485 228
110	4	100	161 485 229	161 485 239	163 485 229	163 485 239	169 485 229

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	¾	10	167 485 231	167 485 241	175 485 231
20	½	15	167 485 231	167 485 241	175 485 231
25	¾	20	167 485 232	167 485 242	175 485 232
32	1	25	167 485 233	167 485 243	175 485 233
40	1 ¼	32	167 485 234	167 485 244	175 485 234
50	1 ½	40	167 485 235	167 485 245	175 485 235
63	2	50	167 485 236	167 485 246	175 485 236
75	2 ½	65	167 485 237	167 485 247	175 485 237
90	3	80	167 485 238	167 485 248	175 485 238
110	4	100	167 485 239	167 485 249	175 485 239



## Cone (7)

d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PP-Talkum 20% Code
16	¾	10	161 491 151	163 482 151	169 482 151	167 485 151	167 485 351
20	½	15	161 491 151	163 482 151	169 482 151	167 485 151	167 485 351
25	¾	20	161 491 152	163 482 152	169 482 152	167 485 152	167 485 352
32	1	25	161 491 153	163 482 153	169 482 153	167 485 153	167 485 353
40	1 ¼	32	161 491 154	163 482 154	169 482 154	167 485 154	167 485 354
50	1 ½	40	161 491 155	163 482 155	169 482 155	167 485 155	167 485 355
63	2	50	161 491 156	163 482 156	169 482 156	167 485 156	167 485 356
75	2 ½	65	161 491 157	163 482 157	169 482 157	167 485 157	167 485 357
90	3	80	161 491 158	163 482 158	169 482 158	167 485 158	167 485 358
110	4	100	161 491 159	163 482 159	169 482 159	167 485 159	167 485 359

d [mm]	Inch	DN [mm]	PVDF Code
16	¾	10	175 484 151
20	½	15	175 484 151
25	¾	20	175 484 152
32	1	25	175 484 153
40	1 ¼	32	175 484 154
50	1 ½	40	175 484 155
63	2	50	175 484 156
75	2 ½	65	175 484 157
90	3	80	175 484 158
110	4	100	175 484 159

## Profile seal ring (5)

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code
16	¾	10	748 436 001	749 436 001
20	½	15	748 436 001	749 436 001
25	¾	20	748 436 002	749 436 002
32	1	25	748 436 003	749 436 003
40	1 ¼	32	748 436 004	749 436 004
50	1 ½	40	748 436 005	749 436 005
63	2	50	748 436 006	749 436 006
75	2 ½	65	748 436 007	749 436 007
90	3	80	748 436 008	749 436 008
110	4	100	748 436 009	749 436 009

# Spare parts

## Seal set

### Model:

- Seal set consisting of: profile seal ring (5) and face seal (3)



d [mm]	Inch	DN [mm]	EPDM Code	FPM Code
16	3/8	10	161 485 240	161 485 250
20	1/2	15	161 485 241	161 485 251
25	3/4	20	161 485 242	161 485 252
32	1	25	161 485 243	161 485 253
40	1 1/4	32	161 485 244	161 485 254
50	1 1/2	40	161 485 245	161 485 255
63	2	50	161 485 246	161 485 256
75	2 1/2	65	161 485 247	161 485 257
90	3	80	161 485 248	161 485 258
110	4	100	161 485 249	161 485 259

## Face seal (3)



d [mm]	Inch	DN [mm]	EPDM Code	FPM Code
16	3/8	10	748 410 059	749 410 059
20	1/2	15	748 410 059	749 410 059
25	3/4	20	748 410 106	749 410 106
32	1	25	748 410 151	749 410 151
40	1 1/4	32	748 410 062	749 410 062
50	1 1/2	40	748 410 003	749 410 003
63	2	50	748 410 231	749 410 231
75	2 1/2	65	748 410 119	749 410 119
90	3	80	748 410 023	749 410 023
110	4	100	748 410 254	749 410 254

## Spring (8)

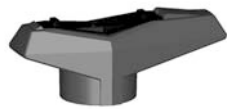
### Model:

- Material: V2A, code: 1.4310
- Material: NIMONIC 90, code: 2.4632
- Material: NIMONIC 90, code: 2.4632, HALAR® coated



d [mm]	Inch	DN [mm]	Stainless steel Code	NIMONIC 90 HALAR coated Code	NIMONIC 90 Code
16	3/8	10	161 485 102	161 485 112	161 485 122
20	1/2	15	161 485 102	161 485 112	161 485 122
25	3/4	20	161 485 102	161 485 112	161 485 122
32	1	25	161 485 103	161 485 113	161 485 123
40	1 1/4	32	161 485 104	161 485 114	161 485 124
50	1 1/2	40	161 485 105	161 485 115	161 485 125
63	2	50	161 485 106	161 485 116	161 485 126
75	2 1/2	65	161 485 107	161 485 117	161 485 127
90	3	80	161 485 108	161 485 118	161 485 128
110	4	100	161 485 109	161 485 119	161 485 129

## Handle for dismantling



DN10/15 - 50



d [mm]	Inch	DN [mm]	red Code	black Code
16	3/8	10	167 484 088	167 484 076
20	1/2	15	167 484 088	167 484 076
25	3/4	20	167 484 089	167 484 077
32	1	25	167 484 090	167 484 078
40	1 1/4	32	167 484 091	167 484 079
50	1 1/2	40	167 484 092	167 484 080
63	2	50	167 484 093	167 484 081

table continued next page

# Spare parts

<b>d</b> [mm]	<b>Inch</b>	<b>DN</b> [mm]	<b>red</b> <b>Code</b>	<b>black</b> <b>Code</b>	
75	2 ½	65	<b>167 484 094</b>	<b>167 484 082</b>	
90	3	80	<b>167 484 095</b>	<b>167 484 083</b>	
110	4	100	<b>167 484 096</b>	<b>167 484 084</b>	

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161 485 103	52	161 485 249	52	161 561 049	4
161 485 104	52	161 485 250	52	161 561 050	4
161 485 105	52	161 485 251	52	161 561 051	4
161 485 106	52	161 485 252	52	161 561 052	4
161 485 107	52	161 485 253	52	161 561 053	4
161 485 108	52	161 485 254	52	161 561 054	4
161 485 109	52	161 485 255	52	161 561 055	4
161 485 112	52	161 485 256	52	161 561 056	4
161 485 113	52	161 485 257	52	161 561 057	4
161 485 114	52	161 485 258	52	161 561 058	4
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161 485 116	52	161 491 151	51	161 561 060	4
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161 485 118	52	161 491 153	51	161 561 062	12
161 485 119	52	161 491 154	51	161 561 063	12
161 485 122	52	161 491 155	51	161 561 064	12
161 485 123	52	161 491 156	51	161 561 065	12
161 485 124	52	161 491 157	51	161 561 066	12
161 485 125	52	161 491 158	51	161 561 067	12
161 485 126	52	161 491 159	51	161 561 068	12
161 485 127	52	161 561 001	4	161 561 069	12
161 485 128	52	161 561 002	4	161 561 070	12
161 485 129	52	161 561 003	4	161 561 071	12
161 485 201	50	161 561 004	4	161 561 072	12
161 485 202	50	161 561 005	4	161 561 073	12
161 485 203	50	161 561 006	4	161 561 074	12
161 485 204	50	161 561 007	4	161 561 075	12
161 485 205	50	161 561 008	4	161 561 076	12
161 485 206	50	161 561 009	4	161 561 077	12
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161 485 245	52	161 561 045	4	161 561 142	6
161 485 246	52	161 561 046	4	161 561 143	6
161 485 247	52	161 561 047	4	161 561 144	6

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167 561 055	26	167 561 209	38	167 562 003	31
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# General Condition of Supply of Georg Fischer Piping Systems Limited, Schaffhausen

## 1 General

- 1.1 These General Conditions shall apply to all Products supplied by Georg Fischer Piping Systems Limited («Georg Fischer») to the Purchaser. They shall also apply to all future business even when no express reference is made to them.
- 1.2 Any deviating or supplementary conditions especially Purchaser's general conditions of purchase and verbal agreements shall only be applicable if accepted in writing by Georg Fischer.
- 1.3 The written form shall be deemed to be fulfilled by all forms of transmission, evidenced in the form of text, such as telefax, e-mail, etc.

## 2 Tenders

Tenders shall only be binding if they contain a specifically stated period for acceptance.

## 3 Scope of Delivery

- 3.1 Georg Fischer's product range is subject to change.
- 3.2 The confirmation of order shall govern the scope and execution of the contract.

## 4 Data and Documents

- 4.1 Technical documents such as drawings, descriptions, illustrations and data on dimensions, performance and weight as well as the reference to standards are for information purposes only. They are not warranted characteristics and are subject to change.
- 4.2 All technical documents shall remain the exclusive property of Georg Fischer and may only be used for the agreed purposes or as Georg Fischer may consent.

## 5 Confidentiality, Protection of Personal Data

- 5.1 Each party shall keep in strict confidence all commercial or technical information relating to the business of the other party, of which it has gained knowledge in the course of its dealing with the other party. Such information shall neither be disclosed to third parties nor used for other purposes than those for which the information has been supplied.
- 5.2 In the context of the contractual relation with the Purchaser personal data may be processed. The Purchaser agrees to the disclosure of said data to third parties such as foreign subcontractors and suppliers etc.

## 6 Local Laws and Regulations, Export Controls

- 6.1 The Purchaser shall bring to the attention of Georg Fischer all local laws and regulations at the place of destination which bear connection with the execution of the contract and the adherence to relevant safety regulations and approval procedures.
- 6.2 In case of re-exports, Purchaser shall be responsible for compliance with pertinent export control regulations.

## 7 Price

- 7.1 Unless agreed otherwise, the prices shall be deemed quoted net ex works (according to Incoterms 2010 of the ICC, or latest version) including standard packing. All supplementary costs such as the cost of carriage, insurance, export-, transit- and import- licences etc. shall be borne by the Purchaser. The Purchaser shall also bear the costs of all taxes, fees, duties etc. connected with the contract.
- 7.2 If the costs of packing, carriage, insurance, fees and other supplementary costs are included in the tender price or contract price or are referred to specifically in the tender or confirmation of order, Georg Fischer reserve the right to revise their prices accordingly should any change occur in the relevant tariffs.

## 8 Terms of Payment

- 8.1 The Purchaser shall make payment in the manner agreed by the parties without any deductions such as discounts, costs, taxes or dues.
- 8.2 The Purchaser may only withhold or off-set payments due against counter claims which are either expressly acknowledged by Georg Fischer or finally awarded to the Purchaser. In particular, payment shall still be made when unessential items are still outstanding provided that the Products already delivered are not rendered unusable as a result.

## 9 Retention of Title

- 9.1 The Products shall remain the property of Georg Fischer until the Purchaser shall have settled all claims, present and future, which Georg Fischer may have against him.
- 9.2 Should the Purchaser resell Products to which title is reserved, in the ordinary course of business, he shall hereby be deemed to have tacitly assigned to Georg Fischer the proceeds deriving from their sale together with all collateral rights, securities and reservations of title until all claims held by Georg Fischer shall have been settled. Until revoked by Georg Fischer, this assignment shall not preclude Purchaser's right to collect the assigned receivables.
- 9.3 To the extent the value of the Products to which title is reserved together with collateral securities exceeds Georg Fischer's claims against the Purchaser by more than 20%, Georg Fischer shall re-assign the above proceeds to Purchaser at his request.

## 10 Delivery

- 10.1 The term of delivery shall commence as soon as the contract has been entered into, all official formalities such as import and payment permits have been obtained and all essential technical issues have been settled. The term of delivery shall be deemed duly observed when, upon its expiry, the Products are ready for despatch.
- 10.2 Delivery is subject to the following conditions, i.e. the term of delivery shall be reasonably extended:
  - a) if Georg Fischer are not supplied in time with the information necessary for the execution of the contract or if subsequent changes causing delays are made by the Purchaser.
  - b) if Georg Fischer are prevented from performing the contract by force majeure. Force majeure shall equally be deemed to be any unforeseeable event beyond Georg Fischer's control which renders Georg Fischer's performance commercially impractical or impossible, such as delayed or defective supplies from sub contractors labour disputes, governmental orders or regulations, shortages in materials or energy, serious disturbances in Georg Fischer's works, such as the total or partial destruction of plant and equipment or the breakdown of essential facilities, serious disruptions in transport facilities, e.g. impassable roads. Should the effect of force majeure exceed a period of six (6) months, either party may cancel the contract forthwith. Georg Fischer shall not be liable for any damage or loss of any kind whatsoever resulting the reform, any suspension or cancellation being without prejudice to Georg Fischer's right to recover all sums due in respect of consignments delivered and costs incurred to date.
  - c) if the Purchaser is in delay with the fulfilment of his obligations under the contract, in particular, if he does not adhere to the agreed conditions of payment or if he has failed to timely provide the agreed securities.
- 10.3 If for reasons attributable to Georg Fischer the agreed term of delivery or a reasonable extension thereof is exceeded, Georg Fischer shall not be deemed in default until the Purchaser has granted to Georg Fischer in writing a reasonable extension thereof of not less than one (1) month which equally is not met. The Purchaser shall then be entitled to the remedies provided at law, it being however understood that, subject to limitations of Art. 16, damage claims shall be limited to max. 10% of the price of the delayed delivery.
- 10.4 Part shipments shall be allowed and Georg Fischer shall be entitled to invoice for such partial deliveries.
- 10.5 If the Purchaser fails to take delivery within a reasonable time of Products notified as ready for despatch, Georg Fischer shall be entitled to store the Products at the Purchaser's expense and risk and to invoice them as delivered. If Purchaser fails to effect payment, Georg Fischer shall be entitled to dispose of the Products.
- 10.6 Should Purchaser cancel an order without justification and should Georg Fischer not insist on the performance of the contract, Georg Fischer shall be entitled to a penalty amounting to 10% of the contract price, Georg Fischer's right to prove and claim higher damages remaining reserved.

Purchaser shall be entitled to prove, that Georg Fischer has suffered no or a considerably lower damage than the penalty forfeited.

## 11 Packing

If the Products are provided with additional packing over and above the standard packing, such packing shall be charged additionally.

## 12 Passing of Risk

- 12.1 The risk in the Products shall pass to the Purchaser as soon as they have left Georg Fischer's works (EX WORKS, Incoterms 2010 ICC, or latest version), even if delivery is made carriage-paid, under similar clauses or including installation or when carriage is organized and managed by Georg Fischer.
- 12.2 If delivery is delayed for reasons beyond Georg Fischer's control, the risk shall pass to the Purchaser when he is notified that the Products are ready for despatch.

## 13 Carriage and Insurance

- 13.1 Unless agreed otherwise, the Purchaser shall bear the cost of carriage.
- 13.2 The Purchaser shall be responsible for transport insurance against damage of whatever kind. Even when such insurance is arranged by Georg Fischer it shall be deemed taken out by the order of and for the account of the Purchaser and at his risk.
- 13.3 Special requests regarding carriage and insurance shall be communicated to Georg Fischer in due time. Otherwise carriage shall be arranged by Georg Fischer at their discretion, but without responsibility, by the quickest and cheapest method possible. In case of carriage-paid delivery transport arrangements shall be made by Georg Fischer. If the Purchaser specifies particular requirements, any extra costs involved shall be borne by him.
- 13.4 In the event of damage or loss of the Products during carriage the Purchaser shall mark the delivery documents accordingly and immediately have the damage ascertained by the carrier. Not readily ascertainable damages sustained during carriage shall be notified to the carrier within six (6) days after receipt of the Products.

## 14 Inspection, Notification of Defects and Damages

- 14.1 The Products will be subject to normal inspection by Georg Fischer during manufacture. Additional tests required by the Purchaser shall be agreed upon in writing and shall be charged to the Purchaser.
- 14.2 It shall be a condition of Georg Fischer's obligation under the warranties stated hereinafter that Georg Fischer be notified in writing by the Purchaser of any purported defect immediately upon discovery. Notice concerning weight, numbers or apparent defects is to be given latest within 30 days from receipt of the Products, notice of other defects immediately latest within seven (7) working days after discovery, in any event within the agreed warranty period.
- 14.3 Purchaser shall not dispose of allegedly defective Products until all warranty and/or damage claims are finally settled. At its request, defective Products are to be placed at Georg Fischer's disposal.
- 14.4 At its request, Georg Fischer shall be given the opportunity to inspect the defect and/or damage, prior to commencement of remedial work, either itself or by third party experts.

## 15 Warranty

- 15.1 At the written request of the Purchaser, Georg Fischer undertakes to repair or replace at its discretion, as quickly as possible and free of charge, all Products supplied which demonstrably suffer from faulty design, materials or workmanship, from faulty operating or installation instructions or which become defective or unusable due to faulty advice. In order to protect employees from toxic or radioactive substances which may have been transported through defective parts returned to Georg Fischer's sales organisation, said parts must be accompanied by a Material Safety Disclosure Form. The form may be obtained from Georg Fischer's local sales company or via [www.piping.georgfischer.com](http://www.piping.georgfischer.com). Replaced parts shall become property of Georg Fischer, unless Georg Fischer waives such claim.
- 15.2 For Products which are manufactured to specifications, drawings or patterns supplied by the Purchaser, Georg Fischer's warranty shall be restricted to proper materials and workmanship.
- 15.3 The Purchaser shall be entitled to rescind the contract or to demand a reduction of the contract price if
  - the repair or replacement of the defective Product is impossible
  - the defective Product is not repaired or replaced within a reasonable period
  - Georg Fischer refuses the repair or replacement or if for reasons attributable to Georg Fischer the repair or replacement is delayed.
- 15.4 For Products or essential components manufactured by a third party and supplied by Georg Fischer under this contract, Georg Fischer's warranty is limited to the warranty provided by said third party.
- 15.5 This warranty shall not apply to damage resulting from normal wear and tear, improper storage and maintenance, failure to observe the operating instructions, overloading, overpressure, unsuitable operating media, unsuitable construction work or unsuitable building ground, improper repairs or alterations by the Purchaser or third parties, the use of other than original spare parts and other reasons beyond Georg Fischer's control.
- 15.6 No action or claim may be brought by the Purchaser on account of any alleged breach of warranty or any other obligation of Georg Fischer after the expiration of twelve (12) months from receipt of the Products by the end user or at the latest within eighteen (18) months of the Products being despatched by Georg Fischer.
- 15.7 In case of Products for use in domestic installations or in utilities
  - Georg Fischer will assume the costs of dismantling the defective Product and restoring the damaged object up to CHF 1'000'000 per occurrence.
  - warranty or damage claims - contrary to Section 15.6 - are time-barred five (5) years from the date of installation or seven (7) years from the production date, whichever is earlier.

## 16 Limitation of Liability

The rights and remedies of the customer shall be exclusively governed by these General Conditions of Supply and shall be in lieu of any remedies at law. All further claims for damages, reduction of the purchase price, termination of or rescission of the contract are excluded. In no case whatsoever shall the customer be entitled to claim damages other than compensation for costs of remedying defects in the supplies. This in particular refers, but shall not be limited, to loss of production, loss of use, loss of orders, loss of profit, third party recovery claims and other direct or indirect or consequential damages. This limitation of liability equally applies to the extent Georg Fischer is liable for acts or omissions of its employees or third parties engaged for the performance of its obligations. It does not apply in case of unlawful intent or gross negligence on the part of Georg Fischer's management and in case of Georg Fischer's statutory liability, in particular under applicable product liability laws.

## 17 Severability

Should any term or clause of these General Conditions in whole or in part be found to be unenforceable or void, all other provisions shall remain in full force and effect and the unenforceable or void provision shall be replaced by a valid provision, which comes closest to the original intention of the unenforceable or invalid provision.

## 18 Place of Performance and Jurisdiction

- 18.1 Place of performance for the Products shall be the Georg Fischer works from which the Products are despatched.
- 18.2 The contract shall be governed by Swiss law without regard to conflict of law provisions that would require the application of another law.
- 18.3 Any civil action based upon any alleged breach of this contract shall be filed and prosecuted exclusively in the courts of Schaffhausen, Switzerland. Georg Fischer however reserves the right to file actions in any court having jurisdiction over controversies arising out of or in connection with the present contract.

# GF Piping Systems – worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

[www.piping.georgfischer.com](http://www.piping.georgfischer.com)



The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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