

# SYGEF Standard metric/ASTM/ANSI

## Cone check valves

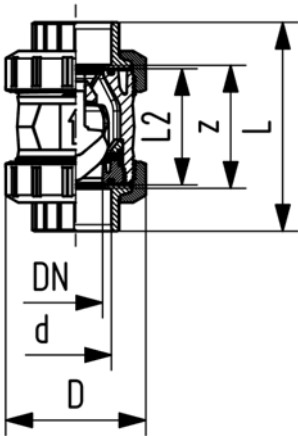
### SYGEF Standard Check valve type 561 With fusion sockets metric



**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

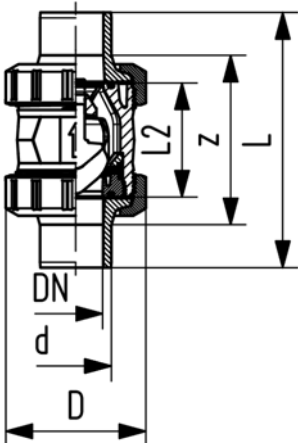
### SYGEF Standard Check valve type 561 With socket fusion spigots metric



**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

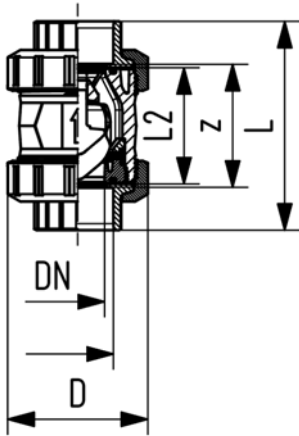
Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



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



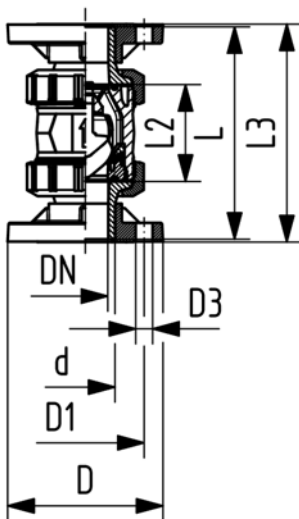
### Model:

- 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

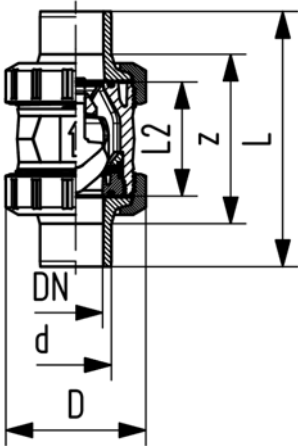


#### Model:

- 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

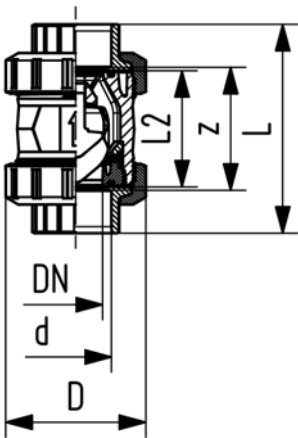


#### Model:

- 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

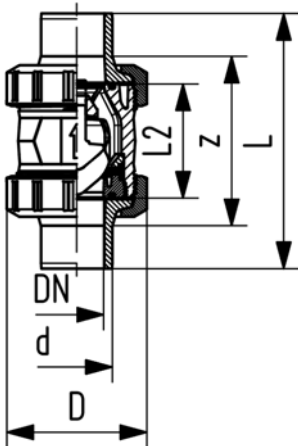
## SYGEF Standard Check valve type 562 With socket fusion spigots metric



### 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

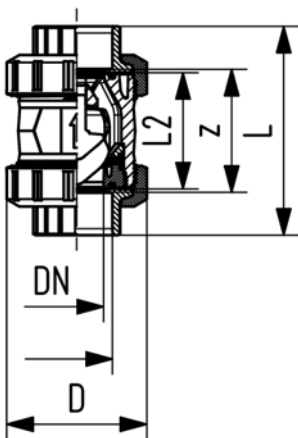
## SYGEF Standard Check valve type 562 With threaded sockets NPT



### 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

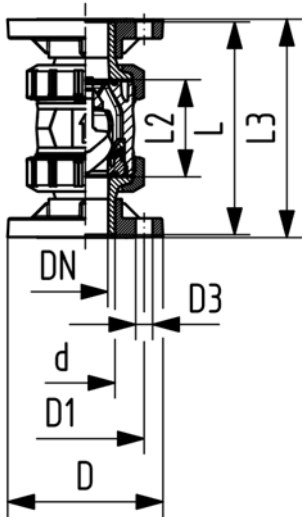
Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011



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



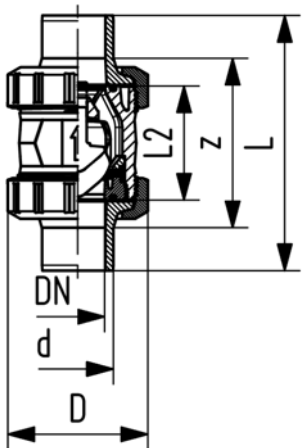
### Model:

- 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

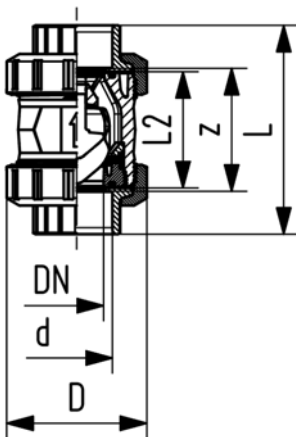
Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)  
Available from 2nd quarter 2011

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



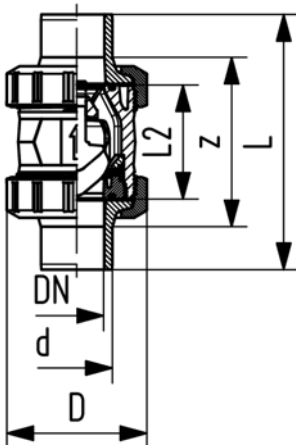
**Model:**

- 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 ( $\Delta p=1$ bar) [l/min]	FPM Code	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch
16	10	16	190	<b>175 561 211</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 ( $\Delta p=1$ 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

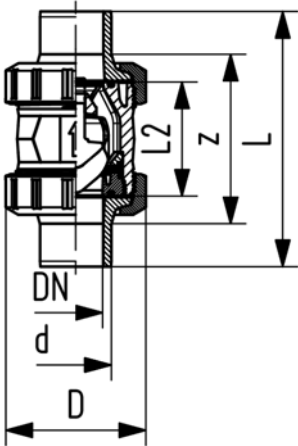


### Model:

- 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

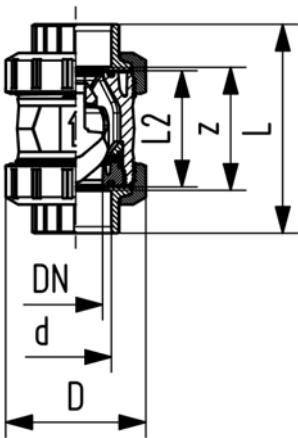


### Model:

- 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)

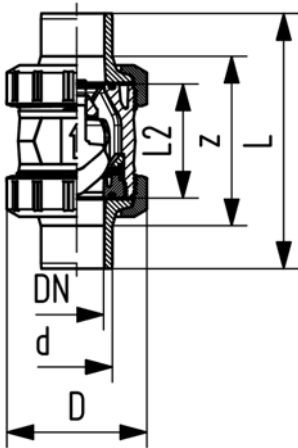
Available from 2nd quarter 2011



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



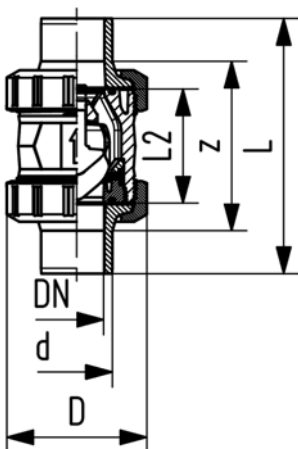
### Model:

- 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	175 562 232	50	120	56	1/2
25	20	16	380	175 562 233	58	139	65	3/4
32	25	16	460	175 562 234	68	150	71	1
40	32	16	850	175 562 235	84	170	85	1 1/4
50	40	16	1080	175 562 236	97	190	89	1 1/2
63	50	16	1670	175 562 237	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	175 562 272	50	130	56	1.9	1/2
25	20	16	380	175 562 273	58	143	65	1.9	3/4
32	25	16	460	175 562 274	68	150	71	2.4	1
40	32	16	850	175 562 275	84	171	85	2.4	1 1/4
50	40	16	1080	175 562 276	97	191	89	3.0	1 1/2
63	50	16	1670	175 562 277	124	220	101	3.0	2