

Other valves for industry, HVAC & waterworks

• Knife gate valves	130	• Piston valves	150
• Gate valves	141	• Forged valves	151
• Air release valves	145	• Cast steel valves	156
• Pressure reducing valves	145	• Check valves	157
• Float valves	146	• Y-strainers	163
• Service connection valves	147	• Expansion joints	166
• Needle valves	147	• Rubber metal pipe connector	167
• Globe valves	148		

What's new!

Piston & diaphragm pressure reducing valves



p. 145

Ductile iron flanged float valves



p. 146

Screens with 250 µm mesh for Y-strainers



p. 165

Air release valves



p. 145

Unidirectional tightness

■ Cast iron



Excluded from 2014/68/EU Directive (art. 4, §3) - Unidirectional tightness: specific mounting position - Lug type - Between flanges PN10 - GG25 body - Stainless steel F304 gate - Rising stem, non rising handwheel - Rilsan painted.



3.1
see p. 22

170 - Handwheel operated - NBR seat

TS: -10°C/+90°C.

171 - Handwheel operated - EPDM seat

TS: -15°C/+130°C.

176 - Handwheel operated - Metal seat

TS: -10°C/+90°C - Incomplete tightness: loss factor 1%.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	8	6	4	4
170 code	170050	170065	170080	170100	170125	170150	170200	170250	170300	170350	170400
171 code	171050	171065	171080	171100	171125	171150	171200	171250	171300	171350	171400
176 code	176050	176065	176080	176100	176125	176150	176200	176250	176300	-	-

DN	450	500	600	700
PS (bar)	3	3	3	2
170 code	170450	170500	170600	170700
171 code	171450	171500	171600	-

■ not on stock, on request.



170 - Handwheel operated with limit switch - NBR seat

TS: -10°C/+90°C - Limit switch for open position.

DN	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	8	6	4	4
code	170101	170126	170151	170201	170251	170301	170351	170401

DN	450	500	600	700	800
PS (bar)	3	3	3	2	2
code	170451	170501	170601	170701	170801



170 - Quick opening - Lever operated - NBR seat

TS: -10°C/+90°C.

DN	80	100	125	150	200
PS (bar)	10	10	10	10	10
code	170083	170103	170127	170153	170207



170 ISO - ISO pad for electric actuator - NBR seat

171 ISO - ISO pad for electric actuator - EPDM seat

176 ISO - ISO pad for electric actuator - Metal seat

F10 ISO pad

DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
170 ISO code	440004ISO	440005ISO	440006ISO	440007ISO	440008ISO	440009ISO	440010ISO	440011ISO	440012ISO	440013ISO	440014ISO
171 ISO code	441004ISO	441005ISO	441006ISO	441007ISO	441008ISO	441009ISO	441010ISO	441011ISO	441012ISO	441013ISO	441014ISO
176 ISO code	446004ISO	446005ISO	446006ISO	446007ISO	446008ISO	446009ISO	446010ISO	446011ISO	446012ISO	-	-

■ Stainless steel



Excluded from 2014/68/EU Directive (art. 4, §3) - Unidirectional tightness: specific mounting position - Lug type - Between flanges PN10 - CF8M body - Stainless steel F316 gate - Rising stem, non rising handwheel - Rilsan painted.



172 - Handwheel operated - EPDM seat

TS: -20°C/+130°C.

173 - Handwheel operated - Metal seat

TS: -20°C/+130°C - Incomplete tightness: loss factor 1%.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	8	6	4	4
172 code	172050	172065	172080	172100	172125	172150	172200	172250	172300	172350	172400
173 code	173050	173065	173080	173100	173125	173150	173200	173250	173300	173350	173400

■ not on stock, on request.

172 ISO - ISO pad for electric actuator - EPDM seat

173 ISO - ISO pad for electric actuator - Metal seat

F10 ISO pad



DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
172 ISO code	445004ISO	445005ISO	445006ISO	445007ISO	445008ISO	445009ISO	445010ISO	445011ISO	445012ISO	445013ISO	445014ISO
173 ISO code	444004ISO	444005ISO	444006ISO	444007ISO	444008ISO	444009ISO	444010ISO	444011ISO	444012ISO	444013ISO	444014ISO

Bidirectional tightness

■ Cast iron



Excluded from 2014/68/EU Directive (art. 4, §3) - Bidirectional tightness - Between flanges PN10 - GG25 body - Stainless steel F304 gate - Non rising stem & handwheel.



178 - Handwheel operated - NBR seat

TS: -10°C/+90°C.

177 - Handwheel operated - EPDM seat

TS: -15°C/+130°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	10	10	10	10	10	10	10	8	6	4	4	3	3
178 code	178050	178065	178080	178100	178125	178150	178200	178250	178300	178350	178400	178450	178500
177 code	177050	177065	177080	177100	177125	177150	177200	177250	177300	177350	177400	177450	177500

■ not on stock, on request.

178 - Handwheel operated with limit switch - NBR seat

TS: -10°C/+90°C - Limit switch for open position.



DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	8	6	4	4
178 code	178051	178066	178081	178101	178126	178151	178201	178251	178301	178351	178401

178 - ISO pad for electric actuator - NBR seat

177 - ISO pad for electric actuator - EPDM seat

F10 ISO pad - ⚠ Rising stem



DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
178 code	448004ISO	448005ISO	448006ISO	448007ISO	448008ISO	448009ISO	448010ISO	448011ISO	448012ISO	448013ISO	448014ISO
177 code	443004ISO	443005ISO	443006ISO	443007ISO	443008ISO	443009ISO	443010ISO	443011ISO	443012ISO	443013ISO	443014ISO



Through conduit - Bidirectional tightness

■ Cast iron

Excluded from 2014/68/EU Directive (art. 4, §3) - Bidirectional tightness - Between flanges PN10 - GG25 body - Stainless steel F304 gate - Rising stem & non-rising handwheel.

3.1

see p. 22

179 - Handwheel operated - EPDM seat

TS: -15°C/+130°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	8	6	6	4	4	3	3	3
code	179050	179065	179080	179100	179125	179150	179200	179250	179300	179350	179400	179450	179500	179600

not on stock, on request.

Options & spare parts

■ For unidirectional valves only



Quick opening - Lever set

DN	50	65	80	100	125	150	200	250	300
code	9801780	9801781	9801782	9801783	9801784	9801785	9801786	9801787	9801788



Chain wheel

DN	50 to 150	200 to 300	350 to 600
code	9801790	9801791	9801792



Limit switches (set of 2 limit switches)

DN	50 to 150	200 to 300
code	9801351	9801352



Chain



	per m
code	9801795

Spare limit switches (1 piece)

DN	200 to 300
code	9801350

Spare tightness kit for unidirectional valves (mounted on the valve when ordered at the same time)

NBR
EPDM
WHITE EPDM
FKM
SILICONE

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	9801851	9801852	9801853	9801854	9801855	9801856	9801857	9801858	9801859	9801860	9801861	9801862	9801863	9801864
code	9801870	9801871	9801872	9801873	9801874	9801875	9801876	9801877	9801878	9801879	9801880	9801881	9801882	9801883
code	9802170	9802171	9802172	9802173	9802174	9802175	9802176	9802177	9802178	9802179	9802180	9802181	9802182	9802183
code	-	9801911	9801912	9801913	9801914	9801915	9801916	9801917	9801918	9801919	9801920	-	-	-
code	9801930	9801931	9801932	9801933	9801934	9801935	9801936	9801937	9801938	9801939	9801940	-	-	-

Stainless steel CF8M deflector & deflector set (stainless steel CF8M deflector + universal gasket)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
deflector code	9801800	9801801	9801802	9801803	9801804	9801805	9801806	9801807	9801808	9801809	9801810	9801811	9801812	9801813
set code	9801820	9801821	9801822	9801823	9801824	9801825	9801826	9801827	9801828	9801829	9801830	9801835	9801836	9801837

Stainless steel lateral bracket

DN	50	65	80	100	125	150	200	250	300	350	400
code	9802001	9802002	9802003	9802004	9802005	9802006	9802007	9802008	9802009	9802010	9802011

■ For bidirectional valves only (except ref. 179)

Chain wheel

DN	50 to 150	200 to 300	350 to 600
code	9801796	9801797	9801798



Chain



	per m
code	9801795

Unidirectional tightness

Cast iron

Provided with painted steel side covers - Actuator designed for lubricated air supply of 6 bar - Actuators and spare parts, see page 138.



170 - Cast iron body - NBR seat

TS: -10°C/+90°C.

171 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

176 - Cast iron body - Metal seat

TS: -10°C/+90°C - ⚠ Incomplete tightness: loss factor 2% of kvs.



double acting				
DN	PS (bar)	170 code	171 code	176 code
50	10	440004035010	441004035010	446004035010
65	10	440005035011	441005035011	446005035011
80	10	440006035012	441006035012	446006035012
100	10	440007035013	441007035013	446007035013
125	10	440008035014	441008035014	446008035014
150	10	440009035015	441009035015	446009035015
200	10	440010035016	441010035016	446010035016
250	8	440011035017	441011035017	446011035017
300	6	440012035018	441012035018	446012035018
350	4	440013035019	-	446013035019
400	4	440014035020	-	446014035020
500	3	440016035022	-	-
600	3	440017035023	-	-



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN250 to DN400 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN



170 - Cast iron body - NBR seat - With manual override

TS: -10°C/+90°C.

double acting		
DN	PS (bar)	code
50	10	440004035050
65	10	440005035051
80	10	440006035052
100	10	440007035053
125	10	440008035054
150	10	440009035055
200	10	440010035056
250	8	440011035057
300	6	440012035058



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN125 to DN200 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN



170 - Cast iron body - NBR seat - Spring return

TS: -10°C/+90°C.

176 - Cast iron body - Metal seat - Spring return

TS: -10°C/+90°C - ⚠ Incomplete tightness: loss factor 2% of kvs.

spring return			
DN	PS (bar)	170 code	176 code
50	10	440004035110	446004035110
65	10	440005035111	446005035111
80	10	440006035112	446006035112
100	10	440007035113	446007035113
125	10	440008035114	446008035114
150	10	440009035115	446009035115
200	10	440010035116	446010035116
250	8	440011035117	446011035117
300	6	440012035118	446012035118



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN125 to DN200 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN

not on stock, on request.
Approx. 4 weeks delivery time.



174 - Cast iron body - NBR seat - With dismantling bottom
TS: -10°C/+90°C.

double acting		
DN	PS (bar)	code
150	10	442009035015
200	10	442010035016
250	8	442011035017
300	6	442012035018



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN200 to DN300 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVN

■ Stainless steel



172 - Stainless steel body - EPDM seat
TS: -10°C/+110°C.

double acting		
DN	PS (bar)	code
50	10	445004035010
65	10	445005035011
80	10	445006035012
100	10	445007035013
125	10	445008035014
150	10	445009035015
200	10	445010035016
250	8	445011035017
300	6	445012035018
350	4	445013035019
400	4	445014035020



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN250 to DN400 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVN



172 - Stainless steel body - EPDM seat - With manual override
TS: -10°C/+110°C.

double acting		
DN	PS (bar)	code
50	10	445004035050
65	10	445005035051
80	10	445006035052
100	10	445007035053
125	10	445008035054
150	10	445009035055
200	10	445010035056
250	8	445011035057
300	6	445012035058



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN125 to DN200 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVN



172 - Stainless steel body - EPDM seat - Spring return

TS: -10°C/+110°C.

spring return		
DN	PS (bar)	code
50	10	445004035110
65	10	445005035111
80	10	445006035112
100	10	445007035113
125	10	445008035114
150	10	445009035115
200	10	445010035116
250	8	445011035117
300	6	445012035118

not on stock, on request.
Approx. 4 weeks delivery time.



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN125 to DN200 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN

Bidirectional tightness

■ Cast iron



178 - Cast iron body - NBR seat

TS: -10°C/+90°C.

177 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

double acting			
DN	PS (bar)	178 code	177 code
50	10	448004035010	443004035010
65	10	448005035011	443005035011
80	10	448006035012	443006035012
100	10	448007035013	443007035013
125	10	448008035014	443008035014
150	10	448009035015	443009035015
200	10	448010035016	443010035016
250	8	448011035017	443011035017
300	6	448012035018	443012035018
350	4	448013035019	-
400	3	448014035020	-



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN250 to DN400 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN

Through conduit - Bidirectional tightness



179 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

double acting		
DN	PS (bar)	code
50	10	449004035010
65	10	449005035011
80	10	449006035012
100	10	449007035013
125	10	449008035014
150	8	449009035015
200	8	449010035016
250	6	449011035017
300	6	449012035018

not on stock,
on request.



⚠ Mandatory special packaging
for pneumatic actuated knife gate valve from DN150 to DN250 - For DN above, please consult!
Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVPN

Unidirectional tightness

Cast iron

On/off multi-turn Regada actuator 230V - Room temp.: -20°C/+55°C - Manual safety override handwheel - Heating resistance 20W - S4 duty service: 25% of time / 10 cycles/hour - Torque limiter - Painted steel side covers - Electric connection M20 x 1,5 (SO2) & M25 x 1,5 (MO3) to be added - ⚠ **Additional delivery time: 10 days.**

3.1

see p. 22

170 - Cast iron body - NBR seat

TS: -10°C/+90°C.

171 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

176 - Cast iron body - Metal seat

TS: -10°C/+90°C - ⚠ Incomplete tightness: loss factor 2% of kvs.

DN	PS (bar)	actuator	170 code	171 code	176 code
50	10	SO2	440004027100	441004027100	446004027100
65	10	SO2	440005027100	441005027100	446005027100
80	10	SO2	440006027100	441006027100	446006027100
100	10	SO2	440007027100	441007027100	446007027100
125	10	SO2	440008027100	441008027100	446008027100
150	10	SO2	440009027100	441009027100	446009027100
200	10	MO3	440010027150	441010027150	446010027150
250	8	MO3	440011027150	441011027150	446011027150
300	6	MO3	440012027150	441012027150	446012027150



⚠ **Mandatory special packaging** for knife gate valve with Regada actuator from DN250 to DN300 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVLR

On/off multi-turn Auma actuator 3~400V AC - Room temp.: -25°C/+80°C - Manual safety override handwheel - Heating resistance 20W - S2 duty service (15 mn) - Torque limiter - Painted steel side covers - Electric connection PE M20 x 1,5 to be added -

⚠ **Additional delivery time: 10 days.**

3.1

see p. 22

170 - Cast iron body - NBR seat

TS: -10°C/+90°C.

171 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

176 - Cast iron body - Metal seat

TS: -10°C/+90°C - ⚠ Incomplete tightness: loss factor 2% of kvs.

DN	PS (bar)	actuator	170 code	171 code	176 code
50	10	SA07.2	440004027015	441004027015	446004027015
65	10	SA07.2	440005027015	441005027015	446005027015
80	10	SA07.2	440006027015	441006027015	446006027015
100	10	SA07.2	440007027015	441007027015	446007027015
125	10	SA07.6	440008027025	441008027025	446008027025
150	10	SA07.6	440009027025	441009027025	446009027025
200	10	SA07.6	440010027025	441010027025	446010027025
250	8	SA07.6	440011027025	441011027025	446011027025
300	6	SA10.2	440012027035	441012027035	446012027035
350	4	SA10.2	440013027035	441013027035	-
400	4	SA10.2	440014027035	441014027035	-



⚠ **Mandatory special packaging** for knife gate valve with Auma actuator from DN200 to DN400 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVLA

Stainless steel

On/off multi-turn Regada actuator 230V - Room temp.: -20°C/+55°C - Manual safety override handwheel - Heating resistance 20W - S4 duty service: 25% of time / 10 cycles/hour - Torque limiter - Painted steel side covers - Electric connection M20 x 1,5 (SO2) & M25 x 1,5 (MO3) to be added - ⚠ **Additional delivery time: 10 days.**

3.1

see p. 22

172 - Stainless steel body - EPDM seat

TS: -10°C/+110°C.

173 - Stainless steel body - Metal seat

TS: -20°C/+130°C - ⚠ Incomplete tightness: loss factor 2% of kvs.

DN	PS (bar)	actuator	172 code	173 code
50	10	SO2	445004027100	444004027100
65	10	SO2	445005027100	444005027100
80	10	SO2	445006027100	444006027100
100	10	SO2	445007027100	444007027100
125	10	SO2	445008027100	444008027100
150	10	SO2	445009027100	444009027100
200	10	MO3	445010027150	444010027150
250	8	MO3	445011027150	444011027150
300	6	MO3	445012027150	444012027150



⚠ **Mandatory special packaging** for knife gate valve with Regada actuator from DN250 to DN300 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVLR



REGADA



auma

REGADA

On/off multi-turn Auma actuator 3~400V AC - Room temp.: -25°C/+80°C - Manual safety override handwheel - Heating resistance 20W - S2 duty service (15 mn) - Torque limiter - Painted steel side covers - Electric connection PE M20 x 1,5 to be added -

⚠ **Additional delivery time: 10 days.**

3.1

see p. 22



172 - Stainless steel body - EPDM seat

TS: -10°C/+110°C.

173 - Stainless steel body - Metal seat

TS: -20°C/+130°C - ⚠ Incomplete tightness: loss factor 2% of kvs.

DN	PS (bar)	actuator	172 code	173 code
50	10	SA07.2	445004027015	444004027015
65	10	SA07.2	445005027015	444005027015
80	10	SA07.2	445006027015	444006027015
100	10	SA07.2	445007027015	444007027015
125	10	SA07.6	445008027025	444008027025
150	10	SA07.6	445009027025	444009027025
200	10	SA07.6	445010027025	444010027025
250	8	SA07.6	445011027025	444011027025
300	6	SA10.2	445012027035	444012027035



⚠ **Mandatory special packaging** for knife gate valve with Auma actuator from DN200 to DN300 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVELA

Bidirectional tightness

■ Cast iron

On/off multi-turn Regada actuator 230V - Room temp.: -20°C/+55°C - Manual safety override handwheel - Heating resistance 20W - S4 duty service: 25% of time / 10 cycles/hour - Torque limiter - Painted steel side covers - Electric connection M20 x 1,5 (S02) & M25 x 1,5 (MO3) to be added - ⚠ **Additional delivery time: 10 days.**

3.1

see p. 22



177 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

178 - Cast iron body - NBR seat

TS: -10°C/+90°C.

DN	PS (bar)	actuator	177 code	178 code
50	10	SO2	443004027100	448004027100
65	10	SO2	443005027100	448005027100
80	10	SO2	443006027100	448006027100
100	10	SO2	443007027100	448007027100
125	10	SO2	443008027100	448008027100
150	10	SO2	443009027100	448009027100
200	10	MO3	443010027150	448010027150
250	8	MO3	443011027150	448011027150
300	6	MO3	443012027150	448012027150



⚠ **Mandatory special packaging** for knife gate valve with Regada actuator from DN250 to DN300 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVELR

On/off multi-turn Auma actuator 3~400V AC - Room temp.: -25°C/+80°C - Manual safety override handwheel - Heating resistance 20W - S2 duty service (15 mn) - Torque limiter - Painted steel side covers - Electric connection PE M20 x 1,5 to be added -

⚠ **Additional delivery time: 10 days.**

3.1

see p. 22



177 - Cast iron body - EPDM seat

TS: -10°C/+110°C.

178 - Cast iron body - NBR seat

TS: -10°C/+90°C.

DN	PS (bar)	actuator	177 code	178 code
50	10	SA07.2	443004027015	448004027015
65	10	SA07.2	443005027015	448005027015
80	10	SA07.2	443006027015	448006027015
100	10	SA07.2	443007027015	448007027015
125	10	SA07.6	443008027025	448008027025
150	10	SA07.6	443009027025	448009027025
200	10	SA07.6	443010027025	448010027025
250	8	SA07.6	443011027025	448011027025
300	6	SA10.2	443012027035	448012027035
350	4	SA10.2	443013027035	448013027035
400	4	SA10.2	443014027035	448014027035



⚠ **Mandatory special packaging** for knife gate valve with Auma actuator from DN200 to DN400 - Packaging complies with NIMP15 standard, certificate available on request.

code
BOXKGVELA

auma®

Options & spare parts for knife gate valves actuation

Spare seat for unidirectional valves (mounted on the valve when ordered at the same time)

NBR

EPDM

FKM

DN	50	65	80	100	125	150	200	250	300	350	400
code	985500	985501	985502	985503	985504	985505	985506	985507	985508	985509	985510
code	985520	985521	985522	985523	985524	985525	985526	985527	985528	985529	985530
code	985560	985561	985562	985563	985564	985565	985566	985567	985568	985569	985570



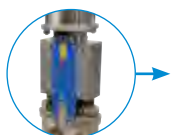
Stainless steel deflector set for unidirectional valves (deflector + universal gasket)

DN	50	65	80	100	125	150	200	250	300	350	400
code	985670	985671	985672	985673	985674	985675	985676	985677	985678	985679	985680



Stainless steel lateral bracket

DN	50	65	80	100	125	150	200	250	300	350	400
code	986121	986122	986123	986124	986125	986126	986127	986128	986129	986130	986131



Stainless steel side covers

DN	50	65	80	100	125	150	200	250	300	350	400
code	986101	986102	986103	986104	986105	986106	986107	986108	986109	986110	986111

Limit switches



type	DN	code
FL551	Set of 2 limit switches for pneumatic actuated knife gate valves	50 to 150 200 to 300
		041616N 041617N

Position detectors



type	DN	code
IFS 204	Inductive detector IFM Ø12 10-36V DC PNP NO 3 threads with M12 connector	50 to 150 200 to 400
		121147N 121150N
NBB4	Inductive detector P+F Ø12 10-36V DC PNP NO 3 threads with 2 m wire	50 to 150 200 to 400
		122141N 122143N
IF 503 A	Inductive detector IFM Ø12 10-36V DC PNP 3 threads with M12 connector - ATEX 3 G/D for areas 2 x 22.	50 to 150 200 to 300
		121154N 121155N

Spare pneumatic actuator



DN	code
50	035010
65	035011
80	035012
100	035013
125	035014
150	035015
200	035016
250	035017
300	035018
350	035019
400	035020

Solenoid valve 5/2 monostable - SHAKO BM520

Connection 1/4" inlet and 1/8" outlet -
For double acting knife gate valves only -
Tubing to actuator not included.



voltage	code
230V AC	042490
24V AC	042491
24V DC	042492

Tubing for solenoid valve

Mounting with rilsan tube & brass fittings.



DN	code
50 to 300	TUBINGVG1BM
350 to 400	TUBINGVG2BM

Unidirectional tightness

Ductile iron

Excluded from 2014/68/EU Directive (art. 4, §3) - Unidirectional tightness: specific mounting position - GGG50 body - F304 gate - GGG50 gland pack - Between flanges PN10 - Rising stem and non-rising handwheel - PS: see table -

⚠ **Mandatory special packaging for all manual and actuated CMO knife gate valves, please consult.**

3.1
40 €/DN
Compatible
ATEX
ZONE
no source
of ignition

A1V2HH - Handwheel operated - EPDM seat

TS: - 5°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V2HH050	A1V2HH065	A1V2HH080	A1V2HH100	A1V2HH125	A1V2HH150	A1V2HH200	A1V2HH250	A1V2HH300	A1V2HH350	A1V2HH400	A1V2HH450	A1V2HH500	A1V2HH600

not on stock, on request.

Stainless steel

Excluded from 2014/68/EU Directive (art. 4, §3) - Unidirectional tightness: specific mounting position - CF8M body - 316 gate - CF8M gland pack - Between flanges PN10 - Rising stem and non-rising handwheel - PS: see tables -

⚠ **Mandatory special packaging for all manual and actuated CMO knife gate valves, please consult.**

3.1
40 €/DN
Compatible
ATEX
ZONE
no source
of ignition

A1V2I - Handwheel operated - EPDM seat

TS: - 5°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V2I050	A1V2I065	A1V2I080	A1V2I100	A1V2I125	A1V2I150	A1V2I200	A1V2I250	A1V2I300	A1V2I350	A1V2I400	A1V2I450	A1V2I500	A1V2I600

not on stock, on request.

A1V1I - Handwheel operated - Metal seat

TS: 0°C/+250°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V1I050	A1V1I065	A1V1I080	A1V1I100	A1V1I125	A1V1I150	A1V1I200	A1V1I250	A1V1I300	A1V1I350	A1V1I400	A1V1I450	A1V1I500	A1V1I600

not on stock, on request.

Mining slurry application

Excluded from 2014/68/EU Directive (art. 4, §3) - Bidirectional tightness - Lug type between flanges PN10 - Natural rubber sleeve - Rising stem - Non-rising handwheel up to DN300, gearbox above - PS: see tables.

3.1
40 €/DN
Compatible
ATEX
ZONE
no source
of ignition

GL - In-line service

TS: 0°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	10	10	10	10
F304 gate code	GL04NR050	GL04NR065	GL04NR080	GL04NR100	GL04NR125	GL04NR150	GL04NR200	GL04NR250	GL04NR300	GL04NR350	GL04NR400
F316 gate code	GL16NR050	GL16NR065	GL16NR080	GL16NR100	GL16NR125	GL16NR150	GL16NR200	GL16NR250	GL16NR300	GL16NR350	GL16NR400

Other
materials &
pressure
ratings
on request

Available up
to DN1200
on request

not on stock, on request.

GA - End-of-line service

TS: 0°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	10	10	10	10
F304 gate code	GA04NR050	GA04NR065	GA04NR080	GA04NR100	GA04NR125	GA04NR150	GA04NR200	GA04NR250	GA04NR300	GA04NR350	GA04NR400
F316 gate code	GA16NR050	GA16NR065	GA16NR080	GA16NR100	GA16NR125	GA16NR150	GA16NR200	GA16NR250	GA16NR300	GA16NR350	GA16NR400

Other
materials &
pressure
ratings
on request

Available up
to DN1200
on request

not on stock, on request.



Unidirectional tightness

A1N2HH - Pneumatic actuated knife gate valve - EPDM seat

TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
50	10	A1N2HH050
65	10	A1N2HH065
80	10	A1N2HH080
100	10	A1N2HH100
125	10	A1N2HH125
150	8	A1N2HH150
200	7	A1N2HH200
250	5	A1N2HH250
300	5	A1N2HH300

double acting		
DN	PS (bar)	code
350	4	A1N2HH350
400	4	A1N2HH400
450	3	A1N2HH450
500	3	A1N2HH500
600	3	A1N2HH600
700	2	A1N2HH700
800	2	A1N2HH800
900	2	A1N2HH900
1000	2	A1N2HH1000

not on stock,
on request.

A1N2I - Pneumatic actuated knife gate valve - EPDM seat

TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
50	10	A1N2I050
65	10	A1N2I065
80	10	A1N2I080
100	10	A1N2I100
125	10	A1N2I125
150	8	A1N2I150
200	7	A1N2I200
250	5	A1N2I250
300	5	A1N2I300

double acting		
DN	PS (bar)	code
350	4	A1N2I350
400	4	A1N2I400
450	3	A1N2I450
500	3	A1N2I500
600	3	A1N2I600
700	2	A1N2I700
800	2	A1N2I800
900	2	A1N2I900
1000	2	A1N2I1000

not on stock,
on request.

Mining slurry application

GL - Pneumatic actuated ductile Iron - Natural Rubber

F304 gate - TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
80	10	GLPND04NR080
100	10	GLPND04NR100
125	10	GLPND04NR125
150	10	GLPND04NR150
200	10	GLPND04NR200
250	10	GLPND04NR250
300	10	GLPND04NR300
350	10	GLPND04NR350
400	10	GLPND04NR400
450	6	GLPND04NR450
500	6	GLPND04NR500
600	4	GLPND04NR600

not on stock,
on request.

GL - Pneumatic actuated ductile Iron - Natural Rubber

F316 gate - TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
80	10	GLPND16NR080
100	10	GLPND16NR100
125	10	GLPND16NR125
150	10	GLPND16NR150
200	10	GLPND16NR200
250	10	GLPND16NR250
300	10	GLPND16NR300
350	10	GLPND16NR350
400	10	GLPND16NR400
450	6	GLPND16NR450
500	6	GLPND16NR500
600	4	GLPND16NR600

not on stock,
on request.

GA - Pneumatic actuated ductile Iron - Natural Rubber

F304 gate - TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
80	10	GAPND04NR080
100	10	GAPND04NR100
125	10	GAPND04NR125
150	10	GAPND04NR150
200	10	GAPND04NR200
250	10	GAPND04NR250
300	10	GAPND04NR300
350	10	GAPND04NR350
400	10	GAPND04NR400
450	6	GAPND04NR450
500	6	GAPND04NR500
600	4	GAPND04NR600

not on stock,
on request.

GA - Pneumatic actuated ductile Iron - Natural Rubber

F316 gate - TS: - 5°C/+90°C.

double acting		
DN	PS (bar)	code
80	10	GAPND16NR080
100	10	GAPND16NR100
125	10	GAPND16NR125
150	10	GAPND16NR150
200	10	GAPND16NR200
250	10	GAPND16NR250
300	10	GAPND16NR300
350	10	GAPND16NR350
400	10	GAPND16NR400
450	6	GAPND16NR450
500	6	GAPND16NR500
600	4	GAPND16NR600

not on stock,
on request.

PNEUMATIC

PNEUMATIC

PNEUMATIC

PNEUMATIC

Metal seated gate valves

Threaded

Excluded from 2014/68/EU Directive (article 4, §3) - EPDM gland pack - Full bore - Non-rising stem - PS: 16 bar - TS: -10°C/+80°C - Incomplete tightness: loss factor 0,5%.



102 - Brass

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	102002	102003	102004	102005	102006	102007	102008	102009	102010	102011	102012
	18,30	18,30	20,08	27,38	36,33	53,50	67,18	102,13	150,80	186,93	341,63

Excluded from 2014/68/EU Directive (article 4, §3) - Bronze body - Brass gate & inner parts - EPDM gland pack - Full bore - Non-rising stem - PS: 16 bar - TS: -10°C/+80°C - Incomplete tightness: loss factor 0,5%.



146 - Bronze

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	146002	146003	146004	146005	146006	146007	146008	146009	146010	146011	146012

Excluded from 2014/68/EU Directive (article 4, §3) - Bronze body - CW617N brass gate & bonnet - PTFE stem gasket - Full bore - Quick closing - PS: 16 bar up to 2", 10 bar above - TS: -10°C/+110°C - Incomplete tightness.



140 - Bronze - Quick closing

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	140003	140004	140005	140006	140007	140008	140009	140010	140011	140012



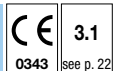
2014/68/EU Directive N°0036 - Risk category II / module A2 - CF8M body & gate - Metal seats - Full bore - Non rising stem - PS: 16 bar - TS: -20°C/+180°C.



RO - Stainless steel - S-First

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	RO15	RO20	RO25	RO32	RO40	RO50

2014/68/EU Directive N°0343 - Risk category III / module H - CF8M body & gate - Metal seats - Full bore - Non rising stem - PS: 16 bar - TS: -20°C/+180°C.



106 - Stainless steel

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	106004	106005	106006	106007	106008	106009

Flanged

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN10 - EN 558 series 14 - GG25 body & gate - Brass seats - Non rising stem & handwheel - PS: 10 bar - TS: -10°C/+90°C.

⚠ Leakage rate B according to EN 12266-1. Please consult specific values on the datasheet.



150 - Cast iron

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	150040	150050	150065	150080	150100	150125	150150	150200	150250	150300

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - EN 558 series 14 (DIN3202 F4)- GGG50 body & gate - Rising stem - Non rising handwheel - PS: 16 bar - TS: -10°C/+120°C.

⚠ Leakage rate B according to EN 12266-1. Please consult specific values on the datasheet.



156 - Ductile iron - Brass seats

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	156040SF	156050SF	156065	156080	156100SF	156125SF	156150SF	156200	156250SF	156300SF

■ Flanged



Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - EN 558 series 14 (DIN3202 F4) - GGG50 body & gate - Rising stem - Non rising handwheel - PS: 16 bar - TS: -10°C/+180°C.

⚠ **Leakage rate B according to EN 12266-1. Please consult specific values on the datasheet.**

3.1

see p. 22

159 - Ductile iron - Stainless steel seats - DIN

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	159040	159050	159065	159080	159100	159125	159150	159200	159250	159300

2014/68/EU Directive N°0343 - Risk category III / module H - Flanged RF PN10/16 - EN 558 series 29 (NF 29323) - GGG50 body & gate up to DN300, GGG45 above - Rising stem - Non rising handwheel - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+180°C.

⚠ **Leakage rate B according to EN 12266-1. Please consult specific values on the datasheet.**



3.1

see p. 22



158 - Ductile iron - Stainless steel seats - NF

DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
face to face	136	142	154	160	172	186	200	228	255	285	315	340	380	425
PN10 code	-	-	-	-	-	-	-	158201	158251	158301SF	158351	158401	158501	158601
PN16 code	158040	158050	158065	158080	158100	158125	158150	158200	158250	158300	158350	158400	158500	158600

2014/68/EU Directive N°0036 - Risk category III / module H - Flanged RF PN16 - EN 558 series 15 (DIN 3202 series F5) - A216WCB cast steel body & bonnet - TRIM 8 - Bolted bonnet & gland pack - Rising, non rotating stem & non rising handwheel up to DN350, with gearbox above - PS: 16 bar - TS: -29°C/+425°C.



3.1



147 - Carbon steel - RF PN16

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat.

NEW

NEW

DN	50	65	80	100	125	150	200	250	300	350	400
face to face	250	270	280	300	325	350	400	450	500	550	600
code	147050	147065	147080	147100	147125	147150	147200	147250	147300	147350	147400

2014/68/EU Directive N°0036 - Risk category III / module H - Flanged RF ANSI 150 - A216WCB cast steel body & bonnet - TRIM 8 - Bolted bonnet & gland pack - Rising, non rotating stem & non rising handwheel up to 14", with gearbox above - PS: 20 bar - TS: -29°C/+425°C.



3.1



143 - Carbon steel - RF ANSI 150

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat.

NPS	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
face to face	178	191	203	229	254	267	292	330	356	381
code	143050	143065	143080	143100	143125	143150	143200	143250	143300	143350

NPS	16"	18"	20"	24"
face to face	406	432	457	508
code	143400	143450	143500	143600

2014/68/EU Directive N°0036 - Risk category III / module H - Flanged RF PN16 - EN 558 series 14 (DIN 3202 series F4) - CF8M cast stainless steel body & bonnet - TRIM 10 - Bolted bonnet & gland pack - Rising, non rotating stem & non rising handwheel - PS: 16 bar - TS: -29°C/+538°C.



3.1



148 - Stainless steel

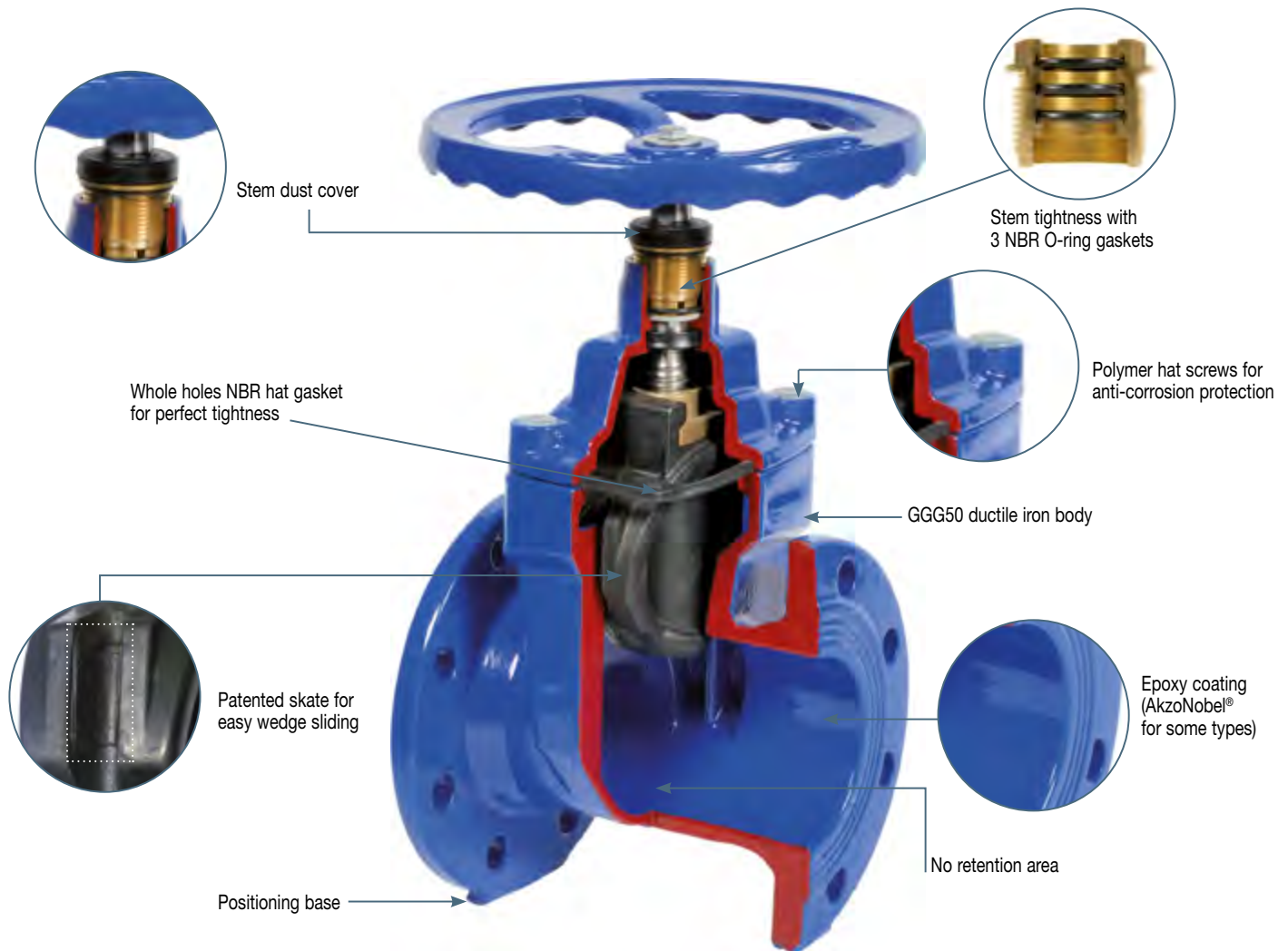
CF8M - F316 stem - CF8M seat.

DN	50	65	80	100	125	150	200	250	300
face to face	150	170	180	190	200	210	230	250	270
code	148050	148065	148080	148100	148125	148150	148200	148250	148300

Resilient seated gate valves

Excluded from 2014/68/EU Directive (article 4, §3) up to DN300, risk category I / module A above - Construction acc. to EN 1074-2 - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - A420 stem - Full bore - Non rising stem - ⌚ clockwise closing - Epoxy coated - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.

CE 3.1
see p. 22



180 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500
face to face	140	150	170	180	190	200	210	230	250	270	290	310	330	350
PN10 code	-	-	-	-	-	-	-	180200	180250	180300	180350	180400	180450	180500
PN16 code	180040	180050	180065	180080	180100	180125	180150	180201	180251	180301	180351	180401	-	-

180 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With gearbox ⌚

DN	600	700	800
face to face	390	430	470
PN10 code	180600	180700	180800

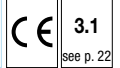


184 - EPDM wedge - EN 558 series 15 (DIN 3202 F5) - With square drive nut ⌚

DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	240	250	270	280	300	325	350	400	450	500	550	600
PN10 code	-	-	-	-	-	-	-	184200	184250	184300	184350	184400
PN16 code	184040	184050	184065	184080	184100	184125	184150	184201	184251	184301	184351	184401



Excluded from 2014/68/EU Directive (article 4, §3) up to DN300, risk category I / module A above - Construction acc. to EN 1074-2 - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - F304 stainless steel stem & bolts - Full bore - Non rising stem - GSK certified AkzoNobel® special epoxy coating for ACS - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.



181 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

⌚ clockwise closing.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500
face to face	140	150	170	181	190	200	210	230	250	270	290	310	330	350
PN10 code	-	-	-	-	-	-	-	181200	181250	181300	181350	181400	181450	181500
PN16 code	181040	181050	181065	181080	181100	181125	181150	181201	181251	181301	181351	181401	-	-



185 - EPDM wedge - EN 558 series 15 (DIN 3202 F5) - With square drive nut ⌚

⌚ anticlockwise closing.

DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	240	250	270	280	300	325	350	400	450	500	550	600
PN10 code	-	-	-	-	-	-	-	185200	185250	185300	185350	185400
PN16 code	185040	185050	185065	185080	185100	185125	185150	185201	185251	185301	185351	185401

Excluded from 2014/68/EU Directive (article 4, §3) - Construction acc. to EN 1074-2 - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - A420 stem - Full bore - Non rising stem - ⌚ clockwise closing - Epoxy coated - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.

3.1
see p. 22



182 - NBR wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
PN10 code	-	-	-	-	-	-	-	182200	182250	182300
PN16 code	182040	182050	182065	182080	182100	182125	182150	182201	182251	182301

■ Spare parts

Spare square drive nut (for 180-181-182)



DN	40	50	65	80	100	125	150	200	250	300	350	400
code	9801831	9801831	9801831	9801832	9801832	9801833	9801833	9801833	9801834	9801834	9801838	9801838

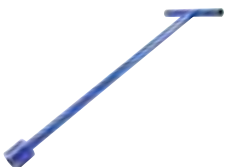
Spare handwheel

⌚ clockwise closing handwheel for 180-181-182-184 / ⌚ anticlockwise closing handwheel for 185.



DN	40	50	65	80	100	125	150	200	250	300	350	400
⌚ code	9801594	9801594	9801594	9801595	9801595	9801596	9801596	9801596	9801597	9801597	9801598	9801598
⌚ code	9801590	9801590	9801590	9801591	9801591	9801592	9801592	9801592	9801593	9801593	9801599	9801599

Tee keys (for 35mm square drive nut).



DN	50-300	50-300
length	1m	1,8m
code	9802080	9802081

Spare stem extensions

To be connected on a square drive nut.



DN	50 to 300	350-400
1 m code	9802020	9802029
1,25 m code	9802031	9802040
1,50 m code	9802042	9802051

Spare telescopic stem extension

To be connected on a square drive nut.



DN	40 to 300
1,3 m to 1,8 m code	9802060
2 m to 2,5 m code	9802070

Simple effect - Degassing function

NEW

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 1074-4 - BSP female thread acc. to ISO 7-1 - GGG45 body - F304 float - NBR gasket - PS: 40 bar - TS: 0°C/+60°C - Can be mounted with ball valve 1" & flange DN40/50/60/65.



31100 - GGG45 body - Stainless steel float

Ø	1"
code	3110006

Triple effect - High flow

NEW

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 1074-4 - BSP male thread acc. to ISO 7-1 - Glass fiber reinforced polypropylene body - Polypropylene float - EPDM gasket - PS: 16 bar - TS: 0°C/+60°C - Can be mounted with ball valve 1" & flange DN40/50/60/65.



31300 - Polypropylene body & float

Ø	1"	2"
code	3130006	3130009

NEW

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 1074-4 - PN10/16 connection or BSP female thread acc. to ISO 7-1 - GGG45 body - Polypropylene float - NBR gasket - PS: 16 bar - TS: 0°C/+60°C.



31310 - GGG45 body - Full bore

Ø	1"	2"
code	3131006	3131009

31310 - GGG45 body - Full bore - PN10/16

PN10/16 up to DN150, PN16 above.

DN	50	80	100	150	200
code	3131050	3131080	3131100	3131150	3131200



31320 - GGG45 body - Reduced bore

Ø	2"
code	3132009

31320 - GGG45 body - Reduced bore - PN10/16

PN10/16 up to DN150, PN16 above.

DN	50	80	100	150	200
code	3132050	3132080	3132100	3132150	3132200

Pressure reducing valves

NEW

Excluded from 2014/68/EU Directive (article 4, §3) - Construction acc. to EN 1074-4 - EN 558 series 1 - GGG45 body - NBR tightness - F304 seat - For clean fluids - Downstream setting range: 1.5 to 6 bar - TS: -0/+60°C - Supplied without pressure gauge.



495 - Piston pressure reducing valve

F303 piston - PS: 16 bar

DN	50	65	80	100
code	495050	495065	495080	495100

496 - Diaphragm pressure reducing valve

Nylon reinforced EPDM diaphragm - PS: 16 bar.

DN	50	65	80	100
code	496050	496065	496080	496100

Excluded from 2014/68/EU Directive (article 4, §3).

RF1 - PVC-U

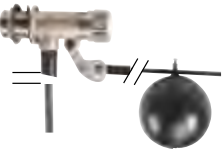
PVC-U body - EPDM gasket - Stainless steel lever - PE float - PS: 10 bar up to 1"1/4, 5 bar above - TS: 0°C/+60°C.



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
EPDM gaskets code	6200RT015	6200RT020	6200RT025	6200RT032	6200RT040	6200RT050	6200RT065	6200RT080

490 - Brass body - PE float

Stainless steel inner mechanism - EPDM gasket - TS fig. 490: 0°C/+60°C; TS fig. 491: 0°C/+80°C - ACS certification for ref. 491 only.



491 - Brass body - Copper float



Ø male	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø float	120	150	180	220	220	300
PS (bar)	10	8	8	5	5	10
490 code	490004	490005	490006	490007	490008	490009
491 code	491004	491005	491006	491007	491008	491009

494 - Full stainless steel

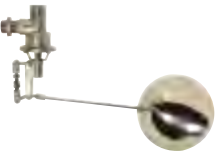
F304 body & inner mechanism - F316 float - FKM gasket - TS: -5°C/+90°C.



Ø male	3/4"	3/4"
PS (bar)	6	8
code	494005	494105

e-float - Full stainless steel

F304 body, mechanism & float - EPDM gasket - PS: 10 bar - TS: -10°C/+80°C.



Ø male	1/2"	3/4"	1"	1"1/2	2"
Ø float	100	100	100	150	150
code	292002	292003	292004	292006	292007

Spare float

Ø float	100	150
code	981860	981861

NEW

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 1074-5 - EN 558 series 1 - PN10/16 up to DN150, PN16 above - GGG45 body - Epoxy coated - Bronze & stainless steel inner parts - F304 float - NBR gasket - PS: 16 bar - TS: 0°C/+60°C.

492 - Ductile iron - Stainless steel float

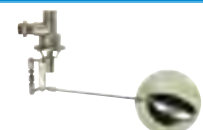
DN	50	65	80	100	150	200	250	300
code	492050	492065	492080	492100	492150	492200	492250	492300

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - GG25 body - Epoxy coated - Brass & bronze inner parts - NBR seat - Min. ΔP: 0,3 bar - PS: 16 bar - TS: -10°C/+80°C - **Actuated by an e-float valve (included)**, to be connected by pipes (not included) - BSP connection 1/2".

BFF - Coaxial cast iron valve

DN	50	65	80	100	125	150	200
face to face	190	210	225	255	285	315	420
code	292050	292065	292080	292100	292125	292150	292200

e-float included



Excluded from 2014/68/EU Directive (article 1, §2.b) - Inlet threaded connection (D2) acc. to ISO 965 & outlet compression fitting for PE pipes (D1) - Bronze or CW602N brass body - GG20 or GGG50 cap - Brass ball - Plain PTFE seats - NBR stem tightness - Epoxy coated 30x30 square drive - anticlockwise closing - PS: 16 bar - TS: +4°C/+40°C.



Service cock valves

29110 - Straight with o-ring gasket

Bronze or CW602N brass body
GG20 cap.

DN	20	25	30	40
outlet Ø (D1)	25	32	40	50
inlet thread (D2)	40x300	40x300	55x300	55x300
bore (mm)	25*	25	40	40
bronze code	2911020	2911025	2911030	2911040
brass code	2911021	-	-	-

29130 - Universal straight/angle with large gasket

CW602N brass body - GGG50 cap.

DN	20	30	40
outlet Ø (D1)	25	40	50
inlet thread (D2)	40x300	55x300	55x300
bore (mm)	21	40	40
code	2913020	2913030	2913040

Shut-off valve

29180 - Straight with o-ring gaskets

Bronze body - GG20 cap.

DN	20	25	30	40
bore	21	25	40	40
ext. pipe Ø	25	32	40	50
code	2918020	2918025	2918030	2918040

F304 tightening wrench for universal service valves

code	2913010
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HDPE centering ring for service valves

valve type	29110	29180	29130
code	2994000	2994000	2913001

Ball valve w/ free nut

Brass body.

Ø	25-3/4"	25-1"	32-3/4"	32-1"
code	490254	490264	490354	490364
	36,43	48,18	44,55	52,45

Ball valve w/ free nut & drain outlet

Brass body.

Ø	25-3/4"
code	491254
	50,55

Tapping bridges for service cock valves

2950 - Small thread M40x300

Threaded connection acc. to ISO 965 - Forged steel body - Double tightness EPDM gasket - PS: 16 bar - TS: +4°C/+40°C. Suitable for rigid pipes, such as cast iron, steel, PVC, asbestos cement.

2951 - Large thread M55x300

DN	40	50	60	80	100	125	150	175	200	225	250	275	300
pipe Ø (mm)	50-62	63-74	75-89	90-109	110-135	136-159	160-175	175-211	212-233	234-269	270-290	291-310	311-325
2950 code	2950040	2950050	2950060	2950080	2950100	2950125	2950150	2950175	2950200	2950225	2950250	2950275	2950300
2951 code	-	2951050	2951060	2951080	2951100	2951125	2951150	2951175	2951200	2951225	2951250	2951275	2951300



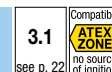
Needle valves

Excluded from 2014/68/EU Directive (article 4, §3) - B62 Bronze body - Brass hat, needle & seat - PS: 25 bar - TS: -10°C/+180°C.

482 - Threaded

Ø	1/4"	3/8"	1/2"	3/4"
code	482002	482003	482004	482005

Excluded from 2014/68/EU Directive (article 4, §3) - A105N carbon steel body - A410 needle - Graphite gland pack - Rising stem - PS: 200 bar - TS: -29°C/+250°C.



486 - Welding

484 - Threaded

483 - Threaded

NPS	1/4"	3/8"	1/2"	3/4"	1"
486 code	486008	486010	486015	486020	486025
484 code	484002	484003	484004	484005	484006
483 code	483002	483003	483004	483005	483006

HIGH PRESSURE



2014/68/EU Directive N°0948 - Risk category III / module B+C2 - A105 body - A410 needle - Rising rotating stem - PS: 200 bar - TS: 0°C/+180°C.



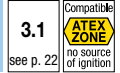
489 - Female/Female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	489002	489003	489004	489005	489006	489007	489008	489009

HIGH PRESSURE



Excluded from 2014/68/EU Directive (article 4, §3) - CF8M body - F304 needle - PTFE gland pack - PS: 400 bar - TS: -20°C/+180°C.



481 - Female/female

487 - Female/female

488 - Male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"
481 code	481002	481003	481004	481005	481006
487 code	487002	487003	487004	487005	487006
488 code	488002	488003	488004	488005	488006

Globe valves

Threaded

2014/68/EU Directive N°0497 - Risk category III / module H - For fluids of group 2 - B62 Bronze body - Brass globe & bonnet - PTFE gland pack - PS: 16 bar - TS: -10°C/+110°C.



460 - Bronze - Metal-metal tightness

462 - Bronze - PTFE tightness

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
460 code	460002	460003	460004	460005	460006	460007	460008	460009
462 code	462002	462003	462004	462005	462006	462007	462008	462009

2014/68/EU Directive N°0497 - Risk category III / module H - For fluids from group 2 - B62 Bronze body - Brass union bonnet - F316L seat - PS: 25 bar - TS: -10°C/+180°C.



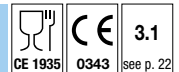
451 - Bronze - Metal-metal tightness

454 - Bronze - PTFE tightness

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
451 code	451002	451003	451004	451005	451006	451007	451008	451009
454 code	454002	454003	454004	454005	454006	454007	454008	454009

FOOD

2014/68/EU Directive N°0343 - Risk category I / module A - CF8M body - F316 globe - Metal seat - PS: 16 bar - TS: -20°C/+180°C - ⚠️ **Not suitable for steam.**



485 - Stainless steel

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	485004	485005	485006	485007	485008	485009

Flanged RF PN16

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - EN 558 series 1 - GG25 body & globe - Stainless steel stem & seat - Rising stem - PS: 16 bar up to DN150, 14 bar for DN200, 9 bar above - TS: -10°C/+120°C - ⚠️ **Not suitable for steam.**



470 - Cast iron

NEW

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
face to face	130	150	160	180	200	230	290	310	350	400	480	600	730
code	470015	470020	470025	470032	470040	470050	470065	470080	470100	470125	470150	470200	470250

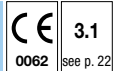


■ Flanged RF PN16

STEAM



2014/68/EU Directive N°0062 - Risk category III / module H - Flanged RF PN16 - EN 558 series 1 (DIN 3202 F1) - GG25 body - Stainless steel stem, globe & seat - Rising stem & handwheel - PS: 16 bar - TS: -10°C/+300°C - ⚠ Steam up to 10 bar max.



479 - Cast iron



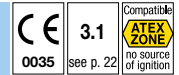
DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	479015	479020	479025	479032	479040	479050	479065	479080	479100	479125	479150	479200



STEAM



2014/68/EU Directive N°0035 - Risk category III / module H - Flanged RF PN25/16 - EN 558 series 1 (DIN 3202 F1) - GGG40 body - Stainless steel stem, globe & seat - Bolted bonnet & gland pack - Non rising stem - PS: 25 bar up to DN50, 16 bar above - TS: -10°C/+350°C - ⚠ Steam up to 10 bar max.



476 - Ductile iron - With stainless steel bellow

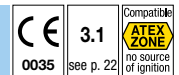
DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	476015	476020	476025	476032	476040	476050	476065	476080	476100	476125	476150	476200

■ Flanged RF PN40

STEAM



2014/68/EU Directive N°0035 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 (DIN 3202 F1) - A216WCB body - Stainless steel stem, globe & seat - Bolted bonnet & gland pack - PS: 40 bar - TS: -20°C/+400°C.



471 - Carbon steel

Rising stem and handwheel

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	471015	471020	471025	471032	471040	471050	471065	471080	471100	471125	471150	471200

475 - Carbon steel - With stainless steel bellow

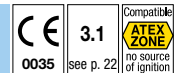
Non-rising stem & handwheel

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	475015	475020	475025	475032	475040	475050	475065	475080	475100	475125	475150	475200

STEAM



2014/68/EU Directive N°0035 - Risk category III / module H - Flanged RF PN40/16 - EN 558 series 1 (DIN 3202 F1) - CF8M body - F316 stem, globe & bellow - Bolted bonnet - Screwed gland pack - PS: 40 bar up to DN50, 16 bar above - TS: -50°C/+400°C.



472 - Stainless steel - With stainless steel bellow

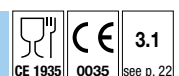
Non-rising stem & handwheel

DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	472015	472020SF	472025	472032	472040	472050	472065	472080	472100

FOOD



2014/68/EU Directive N°0035 - Risk category III / module H - Flanged RF PN40/16 - EN 558 series 1 (DIN 3202 F1) - CF8M body - F316 stem & bellow - F316 globe + PTFE plug - Bolted bonnet - Screwed gland pack - PS: 40 bar up to DN50, 16 bar above - TS: -50°C/+200°C.



472T - Stainless steel - With stainless steel bellow & PTFE globe

Non-rising stem & handwheel

DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	472T015	472T020	472T025	472T032	472T040	472T050	472T065	472T080	472T100

■ Flanged RF PN16

STEAM

2014/68/EU Directive N°2580 - Risk category III / module H - Flanged RF PN16 - EN 558 series 1 - GG25 body - F316 bonnet up to DN20, GG25 above - Phosphated GG20 lantern - YX-GT graphite packing rings - Belleville washer - PS: 16 bar - TS: -10°C/+300°C.

CE
2580
3.1
see p. 22



YVN-3 - Cast iron

1.4021 piston.

DN	15	20	25	32	40	50
face to face	130	150	160	180	200	230
code	YVN3015	YVN3020	YVN3025	YVN3032	YVN3040	YVN3050



YVNB-2 - Cast iron - With balancing piston box

1.4086 piston - 1.4301 piston box.

DN	65	80	100	125	150	200
face to face	290	310	350	400	480	600
code	YVNB2065	YVNB2080	YVNB2100	YVNB2125	YVNB2150	YVNB2200

■ Flanged RF PN40

STEAM

2014/68/EU Directive N°2580 - Risk category III / module H - Fire safe acc. to ISO 10497 & API 6FA:2008 - Flanged RF PN40 - EN 558 series 1 - A216WCB body - F316 bonnet up to DN20, A216WCB above - Phosphated GG20 lantern - YX-GT graphite packing rings - Belleville washer - PS: 40 bar - TS: -10°C/+400°C.

FIRE SAFE
CE
2580
3.1
see p. 22



YVN-8 - Cast steel

1.4021 piston.

DN	15	20	25	32	40	50
face to face	130	150	160	180	200	230
code	YVN8015	YVN8020	YVN8025	YVN8032	YVN8040	YVN8050



YVNB-8 - Cast steel - With balancing piston box

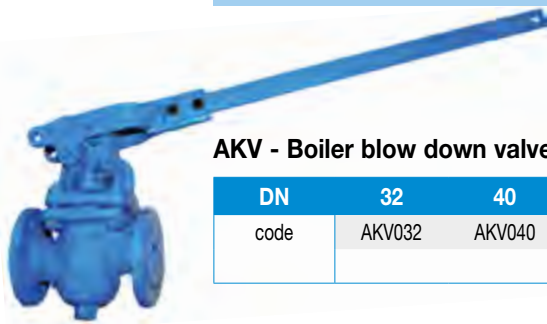
1.4086 piston - 1.4301 piston box.

DN	65	80	100	125	150	200
face to face	290	310	350	400	480	600
code	YVNB8065	YVNB8080	YVNB8100	YVNB8125	YVNB8150	YVNB8200

STEAM

2014/68/EU Directive N°2580 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - A216WCB body & bonnet - 1.4021 piston & lantern - YX-GT graphite packing rings - Belleville washer - PS: 40 bar - TS: -10°C/+220°C.

CE
2580
3.1
see p. 22

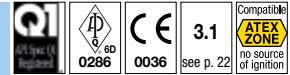


AKV - Boiler blow down valves

DN	32	40	50
code	AKV032	AKV040	AKV050

Carbon steel A105N - TRIM 8

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 (except globe valves) - A105N carbon steel body & bonnet - TRIM 8 - A410 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem for gate & globe valves - TS: -29°C/+425°C.



Gate valves - 800 lbs

112 - Welding

113 - Threaded

114 - Threaded

F6 gate - A410 stem - Standard port - PS: 136 bar.



NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
112 code	112010	112015	112020	112025	112032	112040	112050
113 code	113003	113004	113005	113006	113007	113008	113009
114 code	114003	114004	114005	114006	114007	114008	114009

Globe valves - 800 lbs

412 - Welding

413 - Threaded

414 - Threaded

A410 globe - A410 stem - Standard port - PS: 136 bar.



NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
412 code	412010	412015	412020	412025	412032	412040	412050
413 code	413003	413004	413005	413006	413007	413008	413009
414 code	414003	414004	414005	414006	414007	414008	414009

Globe valves with stainless steel bellow - 600 lbs

402 - Welding

403 - Threaded

404 - Threaded

A410 globe - A410 stem - A321 bellow - Standard port - PS: 100 bar.



NPS	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
402 code	402015	402020	402025	402032	402040	402050
403 code	403004	403005	403006	403007	403008	403009
404 code	404004	404005	404006	404007	404008	404009

Piston check valves - 800 lbs

312 - Welding

313 - Threaded

314 - Threaded

A410 piston - With A302 spring - Horizontal mounting - Standard port - PS: 136 bar.



NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
312 code	312010	312015	312020	312025	312032	312040	312050
313 code	313003	313004	313005	313006	313007	313008	313009
314 code	314003	314004	314005	314006	314007	314008	314009

Ball check valves - 800 lbs

318 - Welding

319 - Threaded

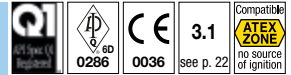
A410 ball - With A302 spring - Horizontal mounting - Standard port - PS: 136 bar.



NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
318 code	318010	318015	318020	318025	318032	318040	318050
319 code	319003	319004	319005	319006	319007	319008	319009

Carbon steel A105N - TRIM 5

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 (except globe valves) - A105N carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem for gate & globe valves - TS: -29°C/+425°C.



Gate valve - 150 lbs

130 - RF ANSI 150

F6 + Stellite® Gr.6 gate - A410 stem - Bolted bonnet - Standard port - PS: 20 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	130015	130020	130025	130040	130050



Globe valve - 150 lbs

440 - RF ANSI 150

F6 + Stellite® Gr.6 globe - A410 stem - Bolted bonnet - Standard port - PS: 20 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	440015	440020	440025	440040SF	440050SF



Gate valve - 300 lbs

131 - RF ANSI 300

F6 + Stellite® Gr.6 gate - A410 stem - Bolted bonnet - Standard port - PS: 50 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	131015	131020SF	131025SF	131040SF	131050SF



Globe valve - 300 lbs

441 - RF ANSI 300

F6 + Stellite® Gr.6 globe - A410 stem - Bolted bonnet - Standard port - PS: 50 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	441015	441020	441025	441040	441050

Gate valves - 800 lbs



117 - Welding

116 - Threaded

F6 + Stellite® Gr.6 gate - A410 stem - Welded bonnet - Standard port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
117 code	117015	117020	117025	117040	117050
116 code	116004	116005	116006	116008	116009

Globe valves - 800 lbs



417 - Welding

416 - Threaded

Stellite® Gr.6 globe - A410 stem - Welded bonnet - Standard port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
417 code	417015	417020	417025	417040	417050
416 code	416004	416005	416006SF	416008	416009

Y-pattern globe valve - 1500 lbs



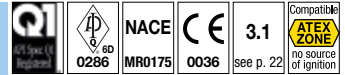
405 - Welding

A410 + Stellite® Gr.6 globe - A410 stem - Welded bonnet - Full port - PS: 255 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	405015	405020	405025	405040	405050

Carbon steel A105N - TRIM 16

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 - NACE MR0175 - A105N carbon steel body & bonnet - TRIM 16 - F316 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem - TS: -29°C/+425°C.



Gate valves - 800 lbs



111 - Welding

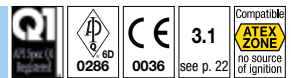
115 - Threaded

F316 + Stellite® Gr.6 gate - F316 stem - Standard port - PS: 136 bar.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
111 code	111010	111015	111020	111025	111040	111050
115 code	115003	115004	115005	115006	115008	115009

Carbon steel A350LF2 - TRIM 12

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 (except globe valves) - A350LF2 carbon steel body & bonnet - TRIM 12 - F316 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem for gate & globe valves - TS: -46°C/+425°C - Impact test included in the 3.1 certificate.



Gate valves - 800 lbs



119 - Welding

118 - Threaded

F316 gate - F316 stem - Full port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
119 code	119015	119020	119025	119040	119050
118 code	118004	118005	118006	118008	118009

Globe valves - 800 lbs



419 - Welding

418 - Threaded

F316 globe - F316 stem - Full port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
419 code	419015	419020	419025	419040	419050
418 code	418004	418005	418006	418008	418009

Gate valves - 1500 lbs



121 - Welding

120 - Threaded

F316 gate - F316 stem - Standard port - PS: 255 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
121 code	121015	121020	121025	121040	121050
120 code	120004	120005	120006	120008	120009

Globe valves - 1500 lbs



421 - Welding

420 - Threaded

F316 globe - F316 stem - Standard port - PS: 255 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
421 code	421015	421020SF	421025	421040	421050
420 code	420004	420005	420006	420008	420009

Carbon steel A182F11 - TRIM 5

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 - A182F11 carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem - TS: -29°C/+540°C.



Gate valves - 800 lbs



122 - Welding

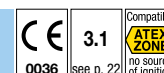
123 - Threaded

F6 + Stellite® Gr.6 gate - A410 stem - Welded bonnet - Standard port - PS: 138 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
122 code	122015	122020	122025	122040	122050
123 code	123004	123005	123006	123008	123009

Carbon steel A182F22 - TRIM 5

2014/68/EU Directive N°0036 - Risk category III / module H - A182F22 carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem - TS: -29°C/+540°C.



Y-pattern globe valve - 1500 lbs



406 - Welding

A410 + Stellite® Gr.6 globe - F304 stem - Welded bonnet - Full port - PS: 258 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	406015	406020	406025	406040	406050

Stainless steel F316 - TRIM 10

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 (except globe valves) - F316 stainless steel body & inner parts - TRIM 10 - F316, standard 316 seat and stem - Bolted bonnet & gland pack - Rising stem for gate & globe valves - PS: 132 bar - TS: -49°C/+538°C.



Gate valves - 800 lbs



152 - Welding

153 - Threaded

F316 gate - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
152 code	152010	152015	152020	152025	152040	152050
153 code	153003	153004SF	153005SF	153006SF	153008	153009

Globe valves - 800 lbs



452 - Welding

453 - Threaded

F316 globe - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
452 code	452010	452015	452020	452025	452040	452050
453 code	453003	453004	453005	453006	453008	453009

Ball check valves - 800 lbs



358 - Welding

359 - Threaded

F316 ball - With inconel spring - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
358 code	358010	358015	358020	358025	358040	358050
359 code	359003	359004	359005	359006	359008	359009

Ball valves - Carbon steel A105N



2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0286 -
Fire safe API 607 - A105N carbon steel body - F316 ball - F316 stem - RTFE seats - Full bore -
Anti-blowout stem - Antistatic device - ISO pad - PS: 136 bar - TS: -29°C/+200°C.



■ Ball valves - 800 lbs



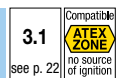
7451 - Welding

7450 - Threaded

NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
7451 code	745115	745120	745125	745132	745140	745150
7450 code	745004	745005	745006	745007	745008	745009

Other forged valves

Excluded from 2014/68/EU Directive (article 4, §3) - A105N carbon steel body - A410 needle - Graphite gland pack -
Rising stem - PS: 200 bar - TS: -29°C/+250°C.



■ Needle valves - 3000 psi



486 - Welding

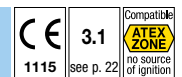
484 - Threaded

483 - Threaded

NPS	1/4"	3/8"	1/2"	3/4"	1"
486 code	486008	486010	486015	486020	486025
484 code	484002	484003	484004	484005	484006
483 code	483002	483003	483004	483005	483006

■ Y-strainers - 800 lbs

2014/68/EU Directive N°1115 - Risk category III / module H - A105N carbon steel body - F316 screen -
Mesh 0,8 mm - With draining cap - PS: 136 bar - TS: -29°C/+425°C.



232 - Welding

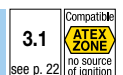
234 - Threaded

231 - Threaded



NPS	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
232 code	232008	232010	232015	232020	232025	232032	232040	232050
234 code	234002	234003	234004	234005	234006	234007	234008	234009
231 code	231002	231003	231004	231005	231006	231007	231008	231009

Excluded from 2014/68/EU Directive (article 4, §3) - F316 stainless steel body - Mesh 0,8 mm - With draining cap -
PS: 132 bar - TS: -49°C/+538°C.



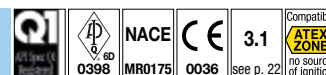
239 - Threaded



NPS	1/4"	3/8"	1/2"	3/4"	1"
code	239002	239003	239004	239005	239006

Carbon steel A216WCB - Trim 8

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0398 (except globe valves and Y-strainers) - A216WCB cast steel body & bonnet - TRIM 8 - Bolted bonnet & gland pack - PS: 20 bar (ANSI 150), 50 bar (ANSI 300) - TS: -29°C/+425°C -
⚠ Impact test available acc. to delivery.



Gate valves



143 - Flanged RF ANSI 150

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non rising handwheel up to 14", with gearbox above.



NPS	2"	2"1/2	3"	4"	5"	6"	8"	10"	12"	14"
face to face	178	191	203	229	254	267	292	330	356	381
code	143050	143065	143080	143100	143125	143150	143200	143250	143300	143350

NPS	16"	18"	20"	24"
face to face	406	432	457	508
code	143400	143450	143500	143600



144 - Flanged RF ANSI 300

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non rising handwheel up to 14", with gearbox above.



NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"
face to face	216	283	305	403	419	457	502	762	838
code	144050	144080	144100	144150	144200	144250	144300	144350	144400

not on stock, on request.

Globe valves



443 - Flanged RF ANSI 150

A105 + 13Cr globe - F6a stem - A216WCB + Stellite® Gr.6 seat - Rising stem & handwheel.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	203	241	292	406	495	622	698
code	443050	443080	443100	443150	443200	443250	443300



444 - Flanged RF ANSI 300

A105 + 13Cr globe - F6a stem - A216WCB + Stellite® Gr.6 seat - Rising stem & handwheel.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	267	318	356	444	559	622	711
code	444050	444080	444100	444150	444200	444250	444300

Swing check valves



373 - Flanged RF ANSI 150

A216WCB + 13Cr swing plate - A105 + Stellite® Gr.6 seat.

NPS	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
face to face	203	241	292	330	356	495	622	698	787	864
code	373050	373080	373100	373125	373150	373200	373250	373300	373350	373400



374 - Flanged RF ANSI 300

A216WCB + 13Cr swing plate - A105 + Stellite® Gr.6 seat.

NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"
face to face	267	318	356	444	533	622	711	838	864
code	374050	374080	374100	374150	374200	374250	374300	374350	374400

not on stock, on request.

Y-strainer

243 - Flanged RF ANSI 150

F304 screen - Mesh 1,5 mm (except 2": 1 mm).



NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"
face to face	203	241	292	406	495	622	699	787	914
code	243050	243080	243100	243150	243200	243250	243300	243350	243400

244 - Flanged RF ANSI 300

F304 screen - Mesh 1,5 mm (except 2": 1 mm).

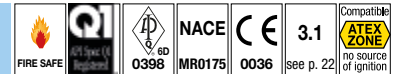


NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"
face to face	267	318	356	444	559	622	711	838	864
code	244050	244080	244100	244150	244200	244250	244300	244350	244400

not on stock,
on request.

Carbon steel A216WCB - TRIM 5

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 & API 6D-0398 (except globe valves) - Fire safe API 6FA - A216WCB cast steel body & bonnet - TRIM 5 - Bolted bonnet & gland pack - PS: 20 bar (ANSI 150), 50 bar (ANSI 300) - TS: -29°C/+425°C -
⚠ Impact test available acc. to delivery.



Gate valve

145 - Flanged RF ANSI 150

A216WCB + Stellite® Gr.6 gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non-rising handwheel up to 14", with gearbox above.



NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
face to face	178	203	229	267	292	330	356	381	406	432	457
code	145050	145080	145100	145150	145200	145250	145300	145350	145400	145450	145500

149 - Flanged RF ANSI 300

A216WCB + Stellite® Gr.6 gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non-rising handwheel up to 14", with gearbox above.



NPS	2"	3"	4"	6"	8"	10"	12"
face to face	216	283	305	403	419	457	502
code	149050	149080	149100	149150	149200	149250	149300

not on stock,
on request.

Check valves

Piston

2014/68/EU Directive N°0497 - Risk category III / module H - B62 Bronze body - CW614N Brass union cap - F316L seat - PS: 25 bar - TS: -10°C/+180°C.



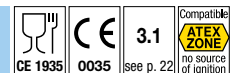
350 - Bronze - Metal-metal tightness

354 - Bronze - PTFE tightness



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
350 code	350002	350003	350004	350005	350006	350007	350008	350009
354 code	354002	354003	354004	354005	354006	354007	354008	354009

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body & piston - PTFE seat - PS: 50 bar - TS: -20°C/+200°C.



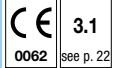
325 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
face to face	57	57	61	70	86	100	111	138	170	195
code	325002	325003	325004	325005	325006	325007	325008	325009	325010	325011



2014/68/EU Directive N°0062 - Risk category III / module H - Flanged RF PN16 - EN 558 series 27 - GG25 body - Stainless steel disc - PS: 16 bar - TS: -10°C/+300°C.



STEAM 6116X - Cast iron



Ø	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	6116X015	6116X020	6116X025	6116X032	6116X040	6116X050	6116X065	6116X080	6116X100	6116X125	6116X150	6116X200

Anti-pollution - Water



Excluded from 2014/68/EU directive (article 1, §2.b) - Flanged RF PN10/16 - EN 558 series 1 - Ductile iron body & cap - Epoxy coated - Bronze inner part - EPDM gasket - Includes 2 tapping valves 1/2" - PS: 16 bar - TS: -10°C/+60°C.



346 - Ductile iron

DN	40/50	60/65	80	100
face to face	230	290	310	350
code	346050	346065	346080	346100

Spring - All positions

Excluded from 2014/68/EU Directive (article 4, §3) - Stainless steel body & disc - FKM seat - PS: 16 bar - TS: -10°C/+150°C.

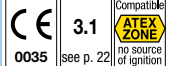
327 - Full stainless steel F304

326 - Full stainless steel F316



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
face to face	66	66	66	72	83	105	115	125	145	162,5	189,5
327 code	327002	327003	327004	327005	327006	327007	327008	327009	327010	327011	327012
326 code	326002	326003	326004	326005	326006	326007	326008	326009	326010	326011	326012

2017/68/EU Directive N°0035 - Risk category II / module H - CF8M body & disc - RTFE seat - TS: -20°C/+200°C - PS: see table.
⚠ Steam up to 14 bar max.



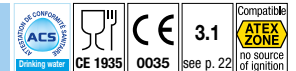
329 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	63	63	63	63	63	63	63	40
code	329002	329003	329004	329005	329006	329007	329008	329009

FOOD

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PTFE body seats - ACS up to 2" - PS: 63 bar - TS: -20°C/+200°C.



380 - 3 piece body

381 - 3 piece body

381 ISO - 3 piece body

384 - 3 piece body

382 - 3 piece body



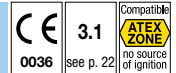
Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
380 code	380002	380003	380004	380005	380006	380007	380008	380009	380010	380011	380012
384 code	384002	384003	384004	384005	384006	384007	384008	384009	-	-	-
381 code	381008	381010	381015	381020	381025	381032	381040	381050	381065	381080	381100
382 code	382008	382010	382015	382020	382025	382032	382040	382050	382065	382080	382100
381 ISO code	381ISO008	381ISO010	381ISO015	381ISO020	381ISO025	381ISO032	381ISO040	381ISO050	381ISO065	381ISO080	-

383 - Foot valve - With F316 strainer basket

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	383003	383004	383005	383006	383007	383008	383009	383010	383011	383012

Wafer spring - All positions

2014/23/EU Directive N°0036 - Risk category II / module A2 - EN 558 series 49 - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C.



390 - Stainless steel - S-First

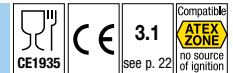
Between flanges PN10/16/25/40 & ANSI 150 & 300



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	21	27	31	40	46	50	60
code	390015	390020	390025	390032	390040	390050	390065	390080	390100

FOOD

2014/68/EU Directive N°0035 up to DN100, N°0062 above - Risk category III / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C. ⚠️ **Steam up to 14 bar max.**



386 - Stainless steel

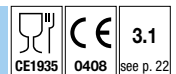
Between flanges PN10/16/25/40 up to DN100, PN40 above.



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	16	19	22	28	31,5	40	46	49	60	90	106	140
code	386015	386020	386025	386032	386040	386050	386065	386080	386100	386125	386150	386200

FOOD

2014/68/EU Directive N°0408 - Risk category II / modules A2+C2 - F316 body & disc - Metal-metal tightness - PS: 40 bar - TS: -60°C/+300°C.



387 - Stainless steel - High temperature

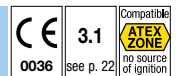
Between flanges PN40



DN	15	20	25	32	40	50	65	80	100
face to face	16,5	20	22	28	32	40	46	50	60
code	387015	387020	387025	387032	387040	387050	387065	387080	387100

Swing

2014/68/EU Directive N°0036 - Risk category II / module A2 - CF8M body & plate - Metal-metal tightness - PS: 16 bar - TS: -25°C/+180°C - ⚠️ **Not suitable for pulsatory pace - Max. speed 3m/sec.**



320 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	320002	320003	320004	320005	320006	320007	320008	320009

Excluded from 2014/68/EU Directive (article 4, §3) - GG25 body & plate - Flanged RF PN16 - DIN 3202 F6 - PS: 16 bar - ⚠️ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

3.1
see p. 22

360 - Cast iron - Metal seat

TS: -10°C/+120°C.

362 - Cast iron - EPDM seat

TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	180	200	240	260	300	350	400	500	600	700
360 code	360040	360050	360065	360080	360100	360125	360150	360200	360250	360300
362 code	362040	362050	362065	362080	362100	362125	362150	362200	362250	362300

Wafer swing - Single plate

Excluded from 2014/68/EU Directive (article 4, §3) - Between flanges PN16 and ANSI 150 from DN100 to DN400 - PS: 16 bar up to DN200, 10 bar above - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

3.1
see p. 22



364 - Carbon steel - EPDM gasket

TS: -10°C/+110°C.

DN	40	50	65	80	100	125	150	200	250	300
face to face	14	14	14	14	18	18	20	22	26	32
code	364040	364050	364065	364080	364100	364125	364150	364200	364250	364300

DN	350	400	450	500	600
face to face	38	44	50	56	62
code	364350	364400	364450	364500	364600



351 - Carbon steel - NBR gasket

TS: -10°C/+80°C.

DN	40	50	65	80	100	125	150	200	250	300
face to face	14	14	14	14	18	18	20	22	26	32
code	351040	351050	351065	351080	351100	351125	351150	351200	351250	351300

2014/68/EU Directive N°0035 - Risk category III / module H - Between flanges PN16 and ANSI 150 from DN100 to DN400 - PS: 16 bar up to DN200, 10 bar above - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

CE
0035 **3.1**
see p. 22



365 - Stainless steel CF8M - FKM gasket

TS: -10°C/+180°C.

DN	40	50	65	80	100	125	150	200	250	300
face to face	14	14	14	14	18	18	20	22	26	32
code	365040	365050	365065	365080	365100	365125	365150	365200	365250	365300

DN	350	400	450	500	600
face to face	38	44	50	56	62
code	365350	365400	365450	365500	365600

Wafer swing - Dual plate

2014/68/EU Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 and ANSI 150 - EN 558 series 50 - GG25 body - PS: 16 bar up to DN300, 10 bar above - ⚠ **Not suitable for pulsatory pace.**

LR CE
0035 **3.1**
see p. 22



370 - NBR gasket - GGG40 plates

TS: -10°C/+80°C.

DN	40	50	65	80	100	125	150	200	250	300
face to face	43	54	54	57	64	70	76	95	108	143
code	370040	370050	370065	370080	370100	370125	370150	370200	370250	370300

DN	350	400	450	500	600
face to face	184	191	203	213	222
code	370350	370400	370450	370500	370600

371 - EPDM gasket - CF8M plates

TS: -10°C/+110°C.

DN	50	65	80	100	125	150	200	250	300	
face to face	54	54	57	64	70	76	95	108	143	
code	-	371050	371065	371080	371100	371125	371150	371200	371250	371300

DN	350	400	450	500	600
face to face	184	191	203	213	222
code	371350	371400	371450	371500	371600



2014/68/EU Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 and ANSI 150. - EN 558 series 50 - GG25 body - PS: 16 bar -



⚠ **Not suitable for pulsatory pace.**



375 - EPDM gasket - CF8M plates

TS: -10°C/+110°C.

DN	50	65	80	100	125	150	200	250	300
face to face	54	54	57	64	70	76	95	108	143
code	375050	375065	375080	375100	375125	375150	375200	375250	375300

2014/68/EU Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 and ANSI 150. - EN 558 series 50 - GGG40 body - PS: 16 bar -



⚠ **Not suitable for pulsatory pace.**

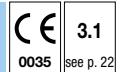


379 - NBR gasket - Aluminium bronze plates

TS: -10°C/+80°C.

DN	50	65	80	100	125	150	200	250	300	350
face to face	54	54	57	64	70	76	95	108	144	184
code	379050	379065	379080	379100	379125	379150	379200	379250	379300	379350

2014/68/EU Directive N°0035 - Risk category III / module H - Between flanges PN10/16 or PN25 and ANSI 150 - EN 558 series 50 - CF8M body - PS: 16 bar up to DN300, 10 bar above - ⚠ **Not suitable for pulsatory pace.**



372 - FKM gasket - CF8M plates

TS: -10°C/+180°C.



DN	50	65	80	100	125	150	200	250	300
face to face	54	54	57	64	70	76	95	108	143
code	372050	372065	372080	372100	372125	372150	372200	372250	372300

DN	350	400	450	500	600
face to face	184	191	203	213	222
code	372350	372400	372450	372500	372600

Nozzles - Cast iron

Excluded from 2014/68/EU Directive (article 1, §2.b & article 4, §3) - GG25 body - Epoxy coated - EPDM gasket - All positions - PS: 16 bar (except for 366: 16 bar up to DN300, 10 bar above).

3.1
see p. 22

369 - Flanged PN16

F304 disc - TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
face to face	100	120	135	165	200	231	288	354	395
code	369050	369065	369080	369100	369125	369150	369200	369250	369300

366 - Flanged PN16 - For drinking water

GGG40 disc - TS: -10°C/+120°C.



DN	50	65	80	100	125	150	200	250	300
face to face	100	120	140	165	195	230	290	355	400
code	366050	366065	366080	366100	366125	366150	366200	366250	366300

Up to
DN600
on request

Ball - Stainless steel

Excluded from 2014/68/EU (article 4, §3) - Full F316 & parts - FKM coated aluminium ball - PS: 16 bar.

339 - Threaded

TS: 0°C/+150°C.



DN	1"1/4	1"1/2	2"
face to face	175	190	210
code	339007	339008	339009

Ball - Ductile iron

Excluded from 2014/68/EU (article 4, §3) – GGG40 epoxy-coated body – PS: 10 bar.

3.1

see p. 22

331 - Threaded

TS: -10°C/+90°C.

NBR ball up to 1"1/2, NBR coated aluminium ball above.



Ø	1"	1"1/4	1"1/2	2"	2"1/2	3"
face to face	141	141	150	175	214	248
code	331006	331007	331008	331009	331010	331011

335 - Threaded

TS: -10°C/+70°C.

NBR coated aluminium ball - According to EN 12050-4 for lifting stations.



Ø	1"	1"1/4	1"1/2	2"	2"1/2	3"
face to face	141	141	150	175	214	248
code	335006	335007	335008	335009	335010	335011

332 - Flanged RF PN10 - DIN 3202 F6

TS: -10°C/+90°C.

NBR ball for DN40, NBR coated aluminium ball up to DN80, NBR coated steel ball above.



DN	40	50	65	80	100	125	150	200	250	300
face to face	178	200	240	260	300	350	400	500	600	700
code	332040	332050	332065	332080	332100	332125	332150	332200	332250	332300

336 - Flanged RF PN10 - DIN 3202 F6

TS: -10°C/+70°C.

NBR coated aluminium ball up to DN200, NBR coated ductile iron ball above - According to EN 12050-4 for lifting stations.



DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	180	200	240	260	300	350	400	500	600	700	800	900
code	336040	336050	336065	336080	336100	336125	336150	336200	336250	336300	336350	336400

Foot valves

Excluded from 2014/68/EU Directive (article 1, §2.b & article 4, §3) - GG25 body - Epoxy coated - Carbon steel strainer - All positions.

368 - Flanged PN16 - Check valve 369 with strainer basket

TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250
code	368050	368065	368080	368100	368125	368150	368200	368250

363 - Flanged PN16 - Check valve 366 with strainer basket

TS: -10°C/+120°C.



DN	50	65	80	100	125	150	200	250	300
code	363050	363065	363080	363100	363125	363150	363200	363250	363300



Strainer baskets

391 - Full stainless steel F316

TS: 0°C/+200°C.



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
mesh (mm)	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,6	1,6	1,6
391 code	391003	391004	391005	391006	391007	391008	391009	391010	391011	391012

367 - Flanged PN10/16 - Galvanized carbon steel

TS: -20°C/+200°C - Mesh 6 mm.

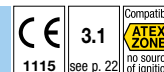
376 - Flanged PN10/16 - Stainless steel F304

TS: -20°C/+200°C - Mesh 6 mm.

DN	50	65	80	100	125	150	200	250	300
367 code	367050	367065	367080	367100	367125	367150	367200	367250	367300
376 code	376050	376065	376080	376100	376125	376150	376200	376250	376300

Threaded

2014/68/EU Directive N°1115 - Risk category III / module H - A105N carbon steel body - F316 screen - Mesh 0,8 mm - With draining cap - PS: 136 bar - TS: -29°C/+425°C.



232 - Carbon steel

234 - Carbon steel

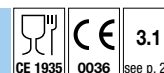
231 - Carbon steel



NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
232 code	232008	232010	232015	232020	232025	232032	232040	232050
234 code	234002	234003	234004	234005	234006	234007	234008	234009
231 code	231002	231003	231004	231005	231006	231007	231008	231009

FOOD

2014/68/EU Directive N°0036 - Risk category II / module A2 - CF8M body - F316 screen - Mesh 1 mm - With draining cap - PS: 16 bar - TS: -50°C/+200°C.

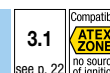


230 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	230002	230003	230004	230005	230006	230007	230008	230009

Excluded from 2014/68/EU Directive (article 4, §3) - F316 stainless steel body - Mesh 0,8 mm - With draining cap - PS: 132 bar - TS: -49°C/+538°C.



239 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"
code	239002	239003	239004	239005	239006

Flanged

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - EN 558 series 1 - Stainless steel screen - With draining cap - PS: 10 bar for PN10 strainers, 16 bar for PN16 strainers (except for 220 DN250 and DN300, PS: 10 bar).



221 - Cast iron

F304 screen - Blue epoxy paint - TS: -10°C/+120°C.



DN	15	20	25	32	40	50	65	80	100	125	150
mesh (mm)	1	1	1	1	1	1	1	1	1,3	1,3	1,3
face to face	130	150	160	180	200	230	290	310	350	400	480
PN16 code	221015	221020	221025	221032	221040	221050	221065	221080	221100	221125	221150

DN	200	250	300
mesh (mm)	1,6	1,6	1,6
face to face	600	730	850
PN10 code	221201	221251	221301
PN16 code	221200	221250	221300

220 - GGG50 ductile iron body (DN50 to DN300) - GG25 cast iron body (others)

F304 screen - Grey epoxy paint - TS: -10°C/+120°C.



DN	15	20	25	32	40	50	65	80	100	125	150
mesh (mm)	1,2	1,2	1,2	1,2	1,2	1,5	1,5	1,5	1,5	1,5	2
face to face	130	150	160	180	200	230	290	310	350	400	480
PN16 code	220015	220020	220025	220032	220040	220050	220065	220080	220100	220125	220150

DN	200	250	300	350	400	450	500	600
mesh (mm)	2,5	3	3	1,5	1,5	5	5	5
face to face	600	730	850	980	1100	1200	1250	1450
PN10 code	220201	220250	220300	220350	220400	220450	220500	220600
PN16 code*	220200	220251	220301	-	-	-	-	-

*220251 and 220301 are flanged PN16, but withstand a pressure of 10 bar.



233 - GG25 cast iron (up to DN300), GGG50 ductile iron above - Water use

F304 screen & draining cap - Blue epoxy paint - TS: -10°C/+80°C.



.../10: flanges PN10

.../16: flanges PN16

NEW

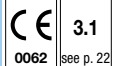
NEW

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16	350/10	400/10
mesh (mm)	1,5	1,5	1,5	1,5	2	2	2	2	2	2	2	2	2	3	3
face to face	200	230	290	310	350	400	480	600	600	730	730	850	850	980	1100
code	233040	233050	233065	233080	233100	233125	233150	233200	233201	233250	233251	233300	233301	233350	233400
code with draining valve *	233043	233053	233063	233083	233103	233123	233153	233203	233204	233253	233254	233303	233304	-	-

* Draining valve delivered separately.

STEAM

2014/68/EU Directive N°0062 - Risk category III / module H - Flanged PN16 - DIN 3202 F1 - GG25 body - F304 screen - With draining cap - PS: 16 bar - TS: -10°C/+300°C - ⚠ Steam up to 10 bar max.

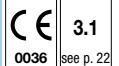


236 - Cast iron - High temperature



DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	236015	236020	236025	236032	236040	236050	236065	236080	236100	236125	236150	236200

2014/68/EU Directive N°0036 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - A216WCB body - F304 screen - PS: 40 bar - TS: -29°C/+425°C.

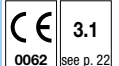


235 - Carbon steel - High temperature

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6	4	4
face to face	130	150	160	180	200	230	290	310	350	400	480	600	730	650
code	235015	235020	235025	235032	235040	235050	235065	235080	235100	235125	235150	235200	235250	235300

GAS

2014/68/EU Directive N°0062 - Risk category III - Flanged RF PN16 - EN 558 series 1 - Carbon steel P265 GH body - F304 screen - PS: 16 bar - TS: -20°C/+400°C.



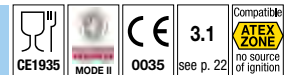
821F - Carbon steel - Gas service



DN	50	65	80	100	125	150	200
mesh (mm)	0,15	0,15	0,15	0,15	0,15	0,15	0,15
face to face	230	290	310	350	400	480	600
code	418307	418308	418309	418310	418311	418312	418313

FOOD

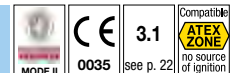
2014/68/EU Directive N°0035 - Risk category II / module H - Bureau Veritas Marine recognition MODE II - Flanged RF PN16 - EN 558 series 1 - CF8M body - F304 screen - PS: 16 bar - TS: -20°C/+200°C.



240 - Stainless steel

DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	0,8	0,8	0,8	0,8	0,8	0,8	1	1	3	3	3	3
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	240015	240020	240025	240032	240040	240050	240065	240080	240100	240125	240150	240200

2014/68/EU Directive N°0035 - Risk category II / module H - Bureau Veritas Marine recognition MODE II - Flanged RF PN16 - EN 558 series 1 - CF8M body - F316 screen - TFM 4215 gasket - PS: 16 bar - TS: -40°C/+200°C.

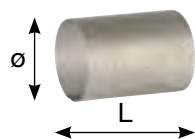


240L - Stainless steel - Low temperature

DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	0,8	0,8	0,8	0,8	0,8	0,8	1	1	3	3	3	3
face to face	130	150	160	180	200	230	290	310	350	400	480	600
240L code	240L015	240L020	240L025	240L032	240L040	240L050	240L065	240L080	240L100	240L125	240L150	240L200

Stainless steel screens for Y-strainers

■ For threaded Y-strainers



98014 - Screens for stainless steel Y-strainer fig. 230 - Mesh 1 mm, see page 163.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"
Ø x L	19 x 29	19 x 29	19 x 29	23,5 x 40,5	33 x 49	36 x 54	44 x 64	54 x 76
code	9801410	9801410	9801410	9801411	9801412	9801413	9801415	9801417

Please note: for strainers bought before 2022, please consult for codes and prices.

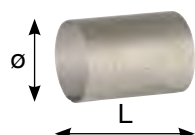
NEW

98014 - Screens for stainless steel Y-strainer fig. 230 - Mesh 250 µm, see page 163.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"
Ø x L	19 x 29	19 x 29	19 x 29	23,5 x 40,5	33 x 49	36 x 54	44 x 64	54 x 76
code	9801419	9801419	9801419	9801420	9801421	9801422	9801423	9801424

Not suitable for strainers bought before 2022.

■ For flanged Y-strainers



98014/98030 - Screens for cast iron Y-strainer fig. 220, see page 163.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø x L	16 x 46	22 x 60	28 x 72	35 x 86	41 x 101	54 x 79	69 x 100	85 x 119	105 x 152	132 x 179	159 x 202	212 x 265
code	9801460	9801461	9801462	9801463	9801464	9803040	9803041	9803042	9803043	9803044	9803045	9803046

DN	250	300	350	400	500	600
Ø x L	258 x 344	307 x 420	353 x 540	403 x 650	510 x 683	610 x 779
code	9803047	9803048	9803049	9803050	9803052	9803053

98027 - Screens for cast iron Y-strainer fig. 233, see page 164.

DN	40	50	65	80	100	125	150	200	250	300
Ø x L	47 x 83	57 x 97	76 x 119	91 x 139	112 x 157	137 x 194	163 x 234	218 x 311	263 x 359	317 x 409
code	9802700	9802701	9802702	9802703	9802704	9802705	9802706	9802707	9802708	9802709

98024 Screens for carbon steel Y-strainer fig. 235, see page 164.

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Ø x L	48 x 22	59 x 22	75 x 29	85 x 35	97 x 42	105 x 52	121 x 58	150 x 75	175 x 104	205 x 124	240 x 150	310 x 190	243 x 390	295 x 458
code	9802430	9802431	9802432	9802433	9802434	9802435	9802436	9802437	9802438	9802439	9802440	9802441	9802442	9802443

98011 - Screens for carbon steel Y-strainer fig. 236, see page 164.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø x L	23x56	28x68	36x82	42x98	50x114	61,5x119	78,5x134	89,5x14	109x169	137,5x199	160x224	210x284
code	9801130	9801131	9801132	9801133	9801134	9801135	9801136	9801137	9801138	9801139	9801140	9801141

98044 - Screens for stainless steel Y-strainer fig. 240 - Mesh 0,8 to 3 mm, see page 164.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø x L	19 x 57	24 x 55	27 x 87	40 x 82	43 x 99,5	54 x 102	65 x 135	85 x 150	103 x 160	128 x 221	154 x 250	208 x 300
code	9804400	9804401	9804402	9804403	9804404	9804405	9804406	9804407	9804408	9804409	9804410	9804411

NEW

98049 - Screens for stainless steel Y-strainer fig. 240 - Mesh 250 µm, see page 164.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø x L	19 x 57	24 x 55	27 x 87	40 x 82	43 x 99,5	54 x 102	65 x 135	85 x 150	103 x 160	128 x 221	154 x 250	208 x 300
code	9804900	9804901	9804902	9804903	9804904	9804905	9804906	9804907	9804408	9804909	9804910	9804911

Rubber expansion joints for HVAC & water distribution

Threaded

Excluded from 2014/68/EU Directive (article 4, §3) - Lloyd's Register Type Approval for marine applications - Galvanized cast iron union fittings - Nylon reinforced liner - PS: 16 bar - TS: -10°C/+100°C.



1504 - EPDM double wave



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
length (mm)	200	200	200	200	200	200	240	240
code	1504004	1504005	1504006	1504007	1504008	1504009	1504010	1504011

Flanged

Excluded from 2014/68/EU Directive (article 4, §3) - Lloyd's Register Type Approval for marine applications - Swiveling flanges - Galvanized steel flanges - Nylon reinforced liner - PS: 16 bar for PN16 expansion joints, 10 bar for PN10 expansion joints - TS: -10°C/+100°C.



1501 - EPDM - Flanged PN10/16 up to DN150, PN10 above

1502 - EPDM - Flanged PN16



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
length (mm)	95	95	105	115	130	135	170	180	205	240	260	266	266	200	200	250
1501 code	1501032	1501040	1501050	1501065	1501080	1501100	1501125	1501150	1501200	1501250	1501300	1501350	1501400	1501450	1501500	1501600
1502 code	-	-	-	-	-	-	-	-	1502200	1502250	1502300	-	-	-	-	-

1505 - EPDM - Flanged PN10/16 up to DN150, PN10 above

Length 130 mm.



DN	32	40	50	65	80	100	125	150	200	250	300
length (mm)	130	130	130	130	130	130	130	130	130	130	130
code	1505032	1505040	1505050	1505065	1505080	1505100	1505125	1505150	1505200	1505250	1505300

Excluded from 2014/68/EU Directive (article 4, §3) - Swiveling flanges - Galvanized steel flanges - Nylon reinforced liner - PS: 16 bar for PN16 expansion joints, 10 bar for PN10 expansion joints - TS: -10°C/+80°C.

1503 - NBR - Flanged PN10/16 up to DN150, PN10 above



DN	32	40	50	65	80	100	125	150	200
length (mm)	95	95	105	115	130	135	170	180	205
code	1503032	1503040	1503050	1503065	1503080	1503100	1503125	1503150	1503200

1506 - NBR - Flanged PN10/16 up to DN150, PN10 above

Length 130 mm.



DN	32	40	50	65	80	100	125	150	200
length (mm)	130	130	130	130	130	130	130	130	130
code	1506032	1506040	1506050	1506065	1506080	1506100	1506125	1506150	1506200

Option

Steel expansion limiter - Flanged PN10 & PN16

For 1501&1503 – supplied with 2 tie rods & 4 plates up to DN300 or 4 tie rods & 8 plates above.

For 1502 – supplied with 2 tie rods & 4 plates. For 1505 & 1506, see page 168. Expansion joint & flanges not included.



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PN10 codes for 1501&1503	9860407	9860408	9860409	9860410	9860411	9860412	9860413	9860414	9860415	9860416	9860417	9860418	9860419	9860420	9860421	9860422
PN16 codes for 1502	-	-	-	-	-	-	-	-	9860315	9860316	9860317	-	-	-	-	-

Rubber expansion joints for industry - Teguflex®

2014/68/EU Directive N°0056 - Risk category III / module H - ABS, DNV-GL Type Approval for marine applications available depending on figure - Flanged PN10/16 up to DN150, PN10 above - Swiveling flanges - Dichromate zinc plated steel flanges (except 1560 & 1565: see description) - Integrated sealing surface with steel wire core - Synthetic fiber reinforcement - Standard length: 130 mm - Axial allowable movement: -30mm/+20mm - Lateral allowable movement: +/-20mm - PS: 16 bar up to DN150; 10 bar above (except 1567).



1560 - EPDM liner

EPDM external cover - TS: -35°C/+90°C.

Main applications: **Water** / Hot water, cooling water with salt solutions, chlorine solutions, esters and ketones.



DN	32	40	50	65	80	100	125	150	200	250	300
steel flanges code	1560032	1560040	1560050	1560065	1560080	1560100	1560125	1560150	1560200	1560250	1560300
F316 flanges code	-	1560041	1560051	1560066	1560081	1560101	1560126	1560151	1560201	-	-

1561 - ACS EPDM liner

EPDM external cover - TS: -25°C/+90°C.

Main applications: **Drinkable water**.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1561032	1561040	1561050	1561065	1561080	1561100	1561125	1561150	1561200	1561250	1561300

1562 - High temperature EPDM liner

EPDM external cover - TS: -35°C/+130°C.

Main applications: **Steam** / Steam and hot air up to 130°C, hot water, cooling/heating water.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1562032	1562040	1562050	1562065	1562080	1562100	1562125	1562150	1562200	1562250	1562300

1563 - ECO / Epichlorhydrin liner

ECO external cover - TS: -25°C/+90°C.

Main applications: **Oil** / Water, saline solutions, alkalis, mineral oil, vegetable, oils aerosols, propane & butane gas.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1563032	1563040	1563050	1563065	1563080	1563100	1563125	1563150	1563200	1563250	1563300

1564 - CSM / Chlorosulphonated Polyethylene liner

CR external cover - TS: -25°C/+90°C.

Main applications: **Chemicals** / Strong and concentrated acids, compressed air that bears oil aerosols.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1564032	1564040	1564050	1564065	1564080	1564100	1564125	1564150	1564200	1564250	1564300

1566 - SBR / Styrene Butadiene Rubber liner

CR external cover - TS: -35°C/+90°C.

Main applications: **Abrasion** / Hydraulic abrasive materials, suspended stones, mud, calcium.

DN	50	65	80	100	125	150	200	250	300
code	1566050	1566065	1566080	1566100	1566125	1566150	1566200	1566250	1566300

1568 - HNBR liner

Hydrogenated nitrile external cover - Dichromate zinc plated steel swiveling flanges PN10/16 up to DN150, PN10 above - TS: -25°C/+110°C. Main applications: **Oils**, mixed water/oil, mixed compressed air/oil.



DN	32	40	50	65	80	100	125	150	200	250	300
1568	1568032	1568040	1568050	1568065	1568080	1568100	1568125	1568150	1568200	1568250	1568300

■ not on stock, on request. Approx. 3 weeks delivery time.

FOOD

1565 - White NBR liner

ECO external cover - Dichromate zinc plated steel flanges or F316 flanges - TS: -25°C/+90°C.

Main applications: **Food** / Food and beverage including fats and oils.



DN	50	65	80	100	125	150	200	250	300
steel flanges code	1565051	1565066	1565081	1565101	1565126	1565151	1565201	1565251	1565301
F316 flanges code	1565050	1565065	1565080	1565100	1565125	1565150	1565200	1565250	1565300

■ not on stock, on request. Approx. 3 weeks delivery time.



1567 - FKM liner

FKM external cover - TS: -20°C/+150°C - PS: 16 bar up to DN150, 8 bar above.

Main applications: **Chemical high temperature** / Chemical fluids highly aggressive with high temp. up to 150°C.

DN	50	65	80	100	125	150	200	250	300
code	1567050	1567065	1567080	1567100	1567125	1567150	1567200	1567250	1567300

■ not on stock, on request. Approx. 6 weeks delivery time.



1560T - EPDM liner - Teflon® inner lining

EPDM external cover - ⚠ Available movement reduced by 50% - PS: 6 bar.

DN	40	50	65	80	100	125	150	200
code	1560042	1560052	1560067	1560082	1560102SF	1560127	1560152	1560202

Option

For Teguflex® range, 1505 & 1506 - Steel expansion limiter - Flanged PN10 & PN16

Supplied with 2 tie rods & 4 plates - ⚠ Expansion joint & flanges not included.

DN	32	40	50	65	80	100	125	150	200	250	300
PN10 code	9860607	9860608	9860609	9860610	9860611	9860612	9860613	9860614	9860615	9860616	9860617



Stainless steel vacuum support ring

DN	50	65	80	100	125	150	200	250	300
code	9815050	9815065	9815080	9815100	9815125	9815150	9815200	9815250	9815300



Metal expansion joints



2014/68/EU Directive N°0408 - Risk category II / module A2+C2 - PS: 16 bar - TS: -20°C/+300°C.



1551 - Threaded - With external & internal liner

Aluminium external liner - Steel internal liner - Stainless steel 316 bellow.

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
length (mm)	255	240	265	300	300	300
code	1551004	1551005	1551006	1551007	1551008	1551009



1511 - Welding

Steel welding ends - Stainless steel 321 bellow & internal liner.

DN	25	32	40	50	65	80	100	125	150	200	250
length (mm)	185	185	200	270	260	275	310	310	350	330	360
code	1511025	1511032	1511040	1511050	1511065	1511080	1511100	1511125	1511150	1511200	1511250



1521 - Flanged RF PN16

Steel flanges - Stainless steel 321 bellow & internal liner. Painting withstands temperature up to +100°C.

DN	25	32	40	50	65	80	100	125	150	200	250
face to face	105	105	120	150	140	155	220	190	270	275	285
code	1521025	1521032	1521040	1521050	1521065	1521080	1521100	1521125	1521150	1521200	1521250



Rubber-metal pipe connector

Excluded from 2014/68/EU Directive (article 4, §3) - Plain EPDM body - Steel insert flanges - Supplied with screws - PS: 10 bar - TS: -10°C/+100°C.

1509 - EPDM - Between flanges PN10

DN	32	40	50	65	80	100	125	150	200
length (mm)	71	71	71	71	71	71	71	71	71
code	1509032	1509040	1509050	1509065	1509080	1509100	1509125	1509150	1509200

