

Unidirectional tightness

■ Cast iron



Excluded from 2014/68/EU Directive (art. 4, §3) - Unidirectional tightness: specific mounting position - Lug type - Between flanges PN10 - EN-GJL-250 (GG25) body - Stainless steel F304 gate - Rising stem, non-rising handwheel up to DN800, gearbox above - Rilsan painted.



3.1
see p. 23

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	800	900	1000
PS (bar)	3	3	3	2	2	2	2
170 code	170450	170500	170600	170700	170800	170900	170990
171 code	171450	171500	171600	-	-	-	-



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
PS (bar)	10	10	10	10
code	170083	170103	170127	170153



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	-	-

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 - EN-GJL-250 (GG25) body - Stainless steel F304 gate (except 178I: Stainless steel F316 gate & bolting) - Non rising stem & handwheel.



178 - Handwheel operated - NBR seat

TS: -10°C/+90°C.

177 - Handwheel operated - EPDM seat

TS: -15°C/+130°C.

NEW

178I - Handwheel operated - NBR seat - F316 gate & bolting

TS: -10°C/+90°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	-	-
178I code	178I050	178I065	178I080	178I100	178I125	178I150	178I200	178I250	178I300	178I350	178I400	-	-

178 - Handwheel operated with limit switch - NBR seat

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

177 - Handwheel operated with limit switch - EPDM seat

TS: -15°C/+130°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
177 code	177051	177066	177081	177101	177126	177151	177201	177251	177301	-	-

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 - EN-GJL-250 (GG25) body - Stainless steel F304 gate - Rising stem & non-rising handwheel.

3.1

see p. 23

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 in 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 (rising stem)

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

Chain

	per m
code	9801795

Limit switches

(set of 2 limit switches)

DN	50 to 150	200 to 300
code	9801351	9801352

Spare limit switches

(1 piece)

DN	200 to 300
code	9801350

Locking device, see page 156



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

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
NBR code	9801851	9801852	9801853	9801854	9801855	9801856	9801857	9801858	9801859	9801860	9801861	9801862	9801863	9801864
EPDM code	9801870	9801871	9801872	9801873	9801874	9801875	9801876	9801877	9801878	9801879	9801880	9801881	9801882	9801883
WHITE EPDM code	9802170	9802171	9802172	9802173	9802174	9802175	9802176	9802177	9802178	9802179	9802180	9802181	9802182	9802183
FKM code	-	9801911	9801912	9801913	9801914	9801915	9801916	9801917	9801918	9801919	9801920	-	-	-
SILICONE 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 (non-rising stem)

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

Chain

	per m
code	9801795

Supplied with painted steel side covers - Actuator designed for lubricated air supply of 6 bar - Actuators and spare parts, see page 148.



Unidirectional tightness

Cast iron

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
BOXKGVN



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
BOXKGVN



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
BOXKGVN

not in 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 in 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
BOXKGVN

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
BOXKGVN

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 in 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
BOXKGVN

Unidirectional tightness

Cast iron

On/off multi-turn Regada actuator 230V - Room temp.: -25°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 (M03) to be added - ⚠ **Additional delivery time: 10 days.**

3.1

see p. 23

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.: -30°C/+70°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. 23

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.: -25°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 (M03) to be added - ⚠ **Additional delivery time: 10 days.**

3.1

see p. 23

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

On/off multi-turn Auma actuator 3~400V AC - Room temp.: -30°C/+70°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. 23



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.: -25°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. 23



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.: -30°C/+70°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. 23

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



⚠ **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

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



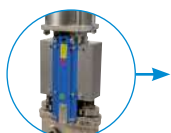
Stainless steel deflector set for unidirectional valves (deflector + universal gasket)

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 brackets

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 switch for automated knife gate valves

type	DN	code
FL551 Set of 2 limit switches for pneumatic actuated knife gate valves	50 to 150	041616N
	200 to 300	041617N
	350 to 600	041618N

Position detectors



type	DN	code
IFS 204 Inductive detector IFM Ø12 10-36V DC PNP NO 3 threads with M12 connector	50 to 150	121147N
	200 to 300	121150N
	350 to 600	121151N
NBB4 Inductive detector P+F Ø12 10-36V DC PNP NO 3 threads with 2 m wire	50 to 150	122141N
	200 to 300	122143N
	350 to 600	122144N
IFS 244 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	121154N
	200 to 300	121155N
	350 to 600	121156N

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



Solenoid valve 5/2 monostable - SHAKO BM520

Connection inlet & outlet 1/4" connection -
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 65	TUBINGVQ2DM
80 to 100	TUBINGVQ2DM
125 to 150	TUBINGVQ2DM
200 to 250	TUBINGVQ2DM
300 to 350	TUBINGVQ2DM
400 to 450	TUBINGVQ2DM

Unidirectional tightness

Excluded from 2014/68/EU Directive (art. 4, §3) - **A series** - Unidirectional tightness: specific mounting position - Between flanges
PN10 - Rising stem - Non-rising handwheel - PS: see tables -

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



Ductile iron

A1V2HH - Handwheel operated - EPDM seat

EN-GJS-500-7 (GGG50) body & gland pack - F304 gate -
TS: -5°C/+90°C.

A1V1HH - Handwheel operated - Metal seat

EN-GJS-500-7 (GGG50) body & gland pack - F304 gate -
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
EPDM code	A1V2HH050	A1V2HH065	A1V2HH080	A1V2HH100	A1V2HH125	A1V2HH150	A1V2HH200	A1V2HH250	A1V2HH300	A1V2HH350	A1V2HH400	A1V2HH450	A1V2HH500	A1V2HH600
metal code	A1V1HH050	A1V1HH065	A1V1HH080	A1V1HH100	A1V1HH125	A1V1HH150	A1V1HH200	A1V1HH250	A1V1HH300	A1V1HH350	A1V1HH400	A1V1HH450	A1V1HH500	A1V1HH600

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

Stainless steel

A1V2I - Handwheel operated - EPDM seat

CF8M body & gland pack - F316 gate - TS: -5°C/+90°C.

A1V1I - Handwheel operated - Metal seat

CF8M body & gland pack - F316 gate - 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
EPDM code	A1V2I050	A1V2I065	A1V2I080	A1V2I100	A1V2I125	A1V2I150	A1V2I200	A1V2I250	A1V2I300	A1V2I350	A1V2I400	A1V2I450	A1V2I500	A1V2I600
metal code	A1V1I050	A1V1I065	A1V1I080	A1V1I100	A1V1I125	A1V1I150	A1V1I200	A1V1I250	A1V1I300	A1V1I350	A1V1I400	A1V1I450	A1V1I500	A1V1I600

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

Options for A series valves

CF8M Stainless steel deflector (15° angle)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	DISAF050	DISAF065	DISAF080	DISAF100	DISAF125	DISAF150	DISAF200	DISAF250	DISAF300	DISAF350	DISAF400	DISAF450	DISAF500	DISAF600

Bidirectional tightness

Excluded from 2014/68/EU Directive (art. 4, §3) - **AB series** - Bidirectional tightness - Between flanges PN10 - Rising stem - Non-rising handwheel up to DN300, gearbox above - PS: see tables -

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



Ductile iron

AB1VH4E - Handwheel operated up to DN300 - EPDM seat & flange gasket

AB1RH4E - Gearbox operated above DN300 - EPDM seat & flange gasket

EN-GJS-500-7 (GGG50) body & gland pack - F304 gate - TS: 0°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	10	10	6	6	6	6	4	4	3
code	AB1VH4E050	AB1VH4E065	AB1VH4E080	AB1VH4E100	AB1VH4E125	AB1VH4E150	AB1VH4E200	AB1VH4E250	AB1VH4E300	AB1RH4E350	AB1RH4E400	AB1RH4E450	AB1RH4E500	AB1RH4E600

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

Stainless steel

AB1VI6E - Handwheel operated up to DN300 - EPDM seat & flange gasket

AB1RI6E - Gearbox operated above DN300 - EPDM seat & flange gasket

CF8M body & gland pack - F316 gate - TS: 0°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	10	10	6	6	6	6	4	4	3
code	AB1VI6E050	AB1VI6E065	AB1VI6E080	AB1VI6E100	AB1VI6E125	AB1VI6E150	AB1VI6E200	AB1VI6E250	AB1VI6E300	AB1RI6E350	AB1RI6E400	AB1RI6E450	AB1RI6E500	AB1RI6E600

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

Options for AB series valves

Copper braided PTFE gland pack (recommended for biogas - mounted on the valve when ordered at the same time)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	RPC050	RPC065	RPC080	RPC100	RPC125	RPC150	RPC200	RPC250	RPC300	RPC350	RPC400	RPC450	RPC500	RPC600

Gland packing flushing holes (piping not included, available on request)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
for DI valves	TAH050	TAH065	TAH080	TAH100	TAH125	TAH150	TAH200	TAH250	TAH300	TAH350	TAH400	TAH450	TAH500	TAH600
for SS valves	TSI050	TSI065	TSI080	TSI100	TSI125	TSI150	TSI200	TSI250	TSI300	TSI350	TSI400	TSI450	TSI500	TSI600

Under silo - Unidirectionnal tightness



Excluded from 2014/68/EU Directive (art. 4, §3) - **F series** - Unidirectional tightness: specific mounting position - Between flanges PN10 - Rising stem, non-rising handwheel - PS: see tables -

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



Ductile iron - High pressure

F1VH4E - Handwheel operated - EPDM seat

EN-GJS-500-7 (GGG50) body & gland pack - F304 gate - 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	6	6	6
code	F1VH4E050	F1VH4E065	F1VH4E080	F1VH4E100	F1VH4E125	F1VH4E150	F1VH4E200	F1VH4E250	F1VH4E300	F1VH4E350	F1VH4E400

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

Stainless steel - Low pressure

F1VI6E-L - Handwheel operated - EPDM seat

CF8M body & gland pack - F316 gate - TS: 0°C/+90°C.

F1VI6S-L - Handwheel operated - Silicone seat

CF8M body & gland pack - F316 gate - TS: -20°C/+170°C.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	3	3	3	3	3	3	3	3	2	2	2
EPDM code	F1VI6EL050	F1VI6EL065	F1VI6EL080	F1VI6EL100	F1VI6EL125	F1VI6EL150	F1VI6EL200	F1VI6EL250	F1VI6EL300	F1VI6EL350	F1VI6EL400
Silicone code	F1VI6SL050	F1VI6SL065	F1VI6SL080	F1VI6SL100	F1VI6SL125	F1VI6SL150	F1VI6SL200	F1VI6SL250	F1VI6SL300	F1VI6SL350	F1VI6SL400

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

Stainless steel - High pressure

F1VI6E - Handwheel operated - EPDM seat

CF8M body & gland pack - F316 gate - TS: 0°C/+90°C.

F1VI6S - Handwheel operated - Silicone seat

CF8M body & gland pack - F316 gate - TS: -20°C/+170°C.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	10	6	6	6
EPDM code	F1VI6E050	F1VI6E065	F1VI6E080	F1VI6E100	F1VI6E125	F1VI6E150	F1VI6E200	F1VI6E250	F1VI6E300	F1VI6E350	F1VI6E400
Silicone code	F1VI6S050	F1VI6S065	F1VI6S080	F1VI6S100	F1VI6S125	F1VI6S150	F1VI6S200	F1VI6S250	F1VI6S300	F1VI6S350	F1VI6S400

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

Options for F series valves

CF8M Stainless steel deflector (15° angle)

DN	50	65	80	100	125	150	200	250	300	350	400
code	DISAF050	DISAF065	DISAF080	DISAF100	DISAF125	DISAF150	DISAF200	DISAF250	DISAF300	DISAF350	DISAF400

Mining slurry application



Excluded from 2014/68/EU Directive (art. 4, §3) - **GL & GA series** - Bidirectional tightness - Lug type between flanges PN10 - EN-GJS-500-7 (GGG50) body & gland pack - Natural rubber sleeve - Rising stem, non-rising handwheel - PS: see tables - TS: 0°C/+90°C -

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



GL - Handwheel operated - In-line service

DN	50	65	80	100	125	150	200	250	300
PS (bar)	10	10	10	10	10	10	10	6	4
F304 gate code	GL1VH4R050	GL1VH4R065	GL1VH4R080	GL1VH4R100	GL1VH4R125	GL1VH4R150	GL1VH4R200	GL1VH4R250	GL1VH4R300
Duplex gate code	GL1VHDR050	GL1VHDR065	GL1VHDR080	GL1VHDR100	GL1VHDR125	GL1VHDR150	GL1VHDR200	GL1VHDR250	GL1VHDR300

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

Other materials & pressure ratings on request

Available up to DN1200 on request

GA - Handwheel operated - End-of-line service

DN	50	65	80	100	125	150	200	250	300
PS (bar)	10	10	10	10	10	10	10	6	4
F304 gate code	GA1VH4R050	GA1VH4R065	GA1VH4R080	GA1VH4R100	GA1VH4R125	GA1VH4R150	GA1VH4R200	GA1VH4R250	GA1VH4R300
Duplex gate code	GA1VHDR050	GA1VHDR065	GA1VHDR080	GA1VHDR100	GA1VHDR125	GA1VHDR150	GA1VHDR200	GA1VHDR250	GA1VHDR300

Other materials & pressure ratings on request

Available up to

Supplied with painted steel side covers - Actuator designed for lubricated air supply of 6 bar - PS: see tables -
⚠ Mandatory special packaging for all actuated CMO knife gate valves, please consult.



Unidirectional tightness

■ Ductile iron

A1N2HH - A series - EPDM seat

EN-GJS-500-7 (GGG50) body - F304 gate - 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	10	A1N2HH150
200	10	A1N2HH200
250	6	A1N2HH250
300	6	A1N2HH300
350	6	A1N2HH350
400	6	A1N2HH400
450	4	A1N2HH450
500	4	A1N2HH500
600	3	A1N2HH600
700	2	A1N2HH700
800	2	A1N2HH800

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

A1NH4M - A series - Metal seat

EN-GJS-500-7 (GGG50) body - F304 gate - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	A1N0H4M050
65	10	A1N0H4M065
80	10	A1N0H4M080
100	10	A1N0H4M100
125	10	A1N0H4M125
150	10	A1N0H4M150
200	10	A1N0H4M200
250	6	A1N6H4M250
300	6	A1N6H4M300
350	6	A1N6H4M350
400	6	A1N6H4M400
450	4	A1N4H4M450
500	4	A1N4H4M500
600	3	A1N3H4M600
700	2	A1N2H4M700
800	2	A1N2H4M800

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

■ Stainless steel

A1N2I - A series - EPDM seat

CF8M body - F316 gate - 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	10	A1N2I150
200	10	A1N2I200
250	6	A1N2I250
300	6	A1N2I300
350	6	A1N2I350
400	6	A1N2I400
450	4	A1N2I450
500	4	A1N2I500
600	3	A1N2I600
700	2	A1N2I700
800	2	A1N2I800

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

A1N16M - A series - Metal seat

CF8M body - F316 gate - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	A1N0I6M050
65	10	A1N0I6M065
80	10	A1N0I6M080
100	10	A1N0I6M100
125	10	A1N0I6M125
150	10	A1N0I6M150
200	10	A1N0I6M200
250	6	A1N6I6M250
300	6	A1N6I6M300
350	6	A1N6I6M350
400	6	A1N6I6M400
450	4	A1N4I6M450
500	4	A1N4I6M500
600	3	A1N3I6M600
700	2	A1N2I6M700
800	2	A1N2I6M800

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

Bidirectional tightness

■ Ductile iron

AB1NH4E - AB series - EPDM seat & flange gasket

EN-GJS-500-7 (GGG50) body - F304 gate - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	AB1N0H4E050
65	10	AB1N0H4E065
80	10	AB1N0H4E080
100	10	AB1N0H4E100
125	10	AB1N0H4E125
150	10	AB1N0H4E150
200	10	AB1N0H4E200
250	6	AB1N6H4E250
300	6	AB1N6H4E300
350	6	AB1N6H4E350
400	6	AB1N6H4E400

■ Stainless steel

AB1N16E - AB series - EPDM seat & flange gasket

CF8M body - F316 gate - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	AB1N0I6E050
65	10	AB1N0I6E065
80	10	AB1N0I6E080
100	10	AB1N0I6E100
125	10	AB1N0I6E125
150	10	AB1N0I6E150
200	10	AB1N0I6E200
250	6	AB1N6I6E250
300	6	AB1N6I6E300
350	6	AB1N6I6E350
400	6	AB1N6I6E400

Under silo - Unidirectionnal tightness

■ Ductile iron - High pressure

F1NH4E - F series - EPDM seat

EN-GJS-500-7 (GGG50) body - F304 gate - TS: 0°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	F1N0H4E050
65	10	F1N0H4E065
80	10	F1N0H4E080
100	10	F1N0H4E100
125	10	F1N0H4E125
150	10	F1N0H4E150
200	10	F1N0H4E200
250	6	F1N6H4E250
300	6	F1N6H4E300
350	6	F1N6H4E350
400	6	F1N6H4E400

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

■ Stainless steel - Low pressure

F1NI6S-L - F series - Silicone seat

CF8M body - F316 gate - TS: -20°C/+170°C.



double acting		
DN	PS (bar)	code
50	3	F1N3I6S050
65	3	F1N3I6S065
80	3	F1N3I6S080
100	3	F1N3I6S100
125	3	F1N3I6S125
150	3	F1N3I6S150
200	3	F1N3I6S200
250	3	F1N3I6S250
300	2	F1N2I6S300
350	2	F1N2I6S350
400	2	F1N2I6S400

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

■ Stainless steel - High pressure

F1NI6E - F series - EPDM seat

CF8M body - F316 gate - TS: 0°C/+90°C.



double acting		
DN	PS (bar)	code
50	10	F1N0I6E050
65	10	F1N0I6E065
80	10	F1N0I6E080
100	10	F1N0I6E100
125	10	F1N0I6E125
150	10	F1N0I6E150
200	10	F1N0I6E200
250	6	F1N6I6E250
300	6	F1N6I6E300
350	6	F1N6I6E350
400	6	F1N6I6E400

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

F1NI6S - F series - Silicone seat

CF8M body - F316 gate - TS: -20°C/+170°C.



double acting		
DN	PS (bar)	code
50	10	F1N0I6S050
65	10	F1N0I6S065
80	10	F1N0I6S080
100	10	F1N0I6S100
125	10	F1N0I6S125
150	10	F1N0I6S150
200	10	F1N0I6S200
250	6	F1N6I6S250
300	6	F1N6I6S300
350	6	F1N6I6S350
400	6	F1N6I6S400

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

Mining slurry application

GL - Low pressure - Natural rubber - F304 gate

EN-GJS-500-7 (GGG50) body - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
80	4	GL1N4H4R080
100	4	GL1N4H4R100
125	4	GL1N4H4R125
150	4	GL1N4H4R150
200	4	GL1N4H4R200
250	4	GL1N4H4R250
300	2	GL1N2H4R300
350	2	GL1N2H4R350
400	2	GL1N2H4R400

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

GL - Low pressure - Natural rubber - Duplex gate

EN-GJS-500-7 (GGG50) body - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
80	4	GL1N4H4R080
100	4	GL1N4H4R100
125	4	GL1N4H4R125
150	4	GL1N4H4R150
200	4	GL1N4H4R200
250	4	GL1N4H4R250
300	2	GL1N2H4R300
350	2	GL1N2H4R350
400	2	GL1N2H4R400

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

GL - High pressure - Natural rubber - F304 gate

EN-GJS-500-7 (GGG50) body - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
80	10	GL1N0H4R080
100	10	GL1N0H4R100
125	10	GL1N0H4R125
150	10	GL1N0H4R150
200	10	GL1N0H4R200
250	10	GL1N0H4R250
300	10	GL1N0H4R300
350	6	GL1N6H4R350

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

GL - High pressure - Natural rubber - Duplex gate

EN-GJS-500-7 (GGG50) body - TS: -5°C/+90°C.



double acting		
DN	PS (bar)	code
80	10	GL1N0H4R080
100	10	GL1N0H4R100
125	10	GL1N0H4R125
150	10	GL1N0H4R150
200	10	GL1N0H4R200
250	10	GL1N0H4R250
300	10	GL1N0H4R300
350	6	GL1N6H4R350

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