

■ Lug - Between flanges PN10/16



1135 - Lever - Disc GGG40 nickel plated / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16
code	1135040	1135050	1135065	1135080	1135100	1135125	1135150	1135200	1135201	1135250	1135251	1135300	1135301



1135 - Gearbox - Disc GGG40 nickel plated / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	10/16*	10/16*	10/16*	10	10	10	10	10
PN10 code	-	-	-	1135202	1135252	1135302	1135350	1135400	1135450	1135500	1135600
PN16 code	1135102	1135127	1135152	1135203	1135253	1135303	1135351	1135401	1135451	1135501	1135601

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.



1133 - Lever - Disc CF8M / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16
code	1133040	1133050	1133065	1133080	1133100	1133125	1133150	1133200	1133201	1133250	1133251	1133300	1133301



1133 - Gearbox - Disc CF8M / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	10/16*	10/16*	10/16*	10	10	10	10	10
PN10 code	-	-	-	1133202	1133252	1133302	1133350	1133400	1133450	1133500	1133600
PN16 code	1133102	1133127	1133152	1133203	1133253	1133303	1133351	1133401	1133451	1133501	1133601

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.



Spare lever (only for butterfly valves 1125, 1123, 1121, 1135 & 1133)

DN	40	50	65	80	100	125	150	200	250	300
code	9831244	9831244	9831244	9831244	9831249	9831245	9831245	9831246	9831247	9831248



1198 - Spare gearbox (only for butterfly valves 1125, 1123, 1121, 1135 & 1133)

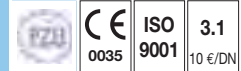
DN	40	50	65	80	100	125	150	200	250	300
code	1198001	1198001	1198001	1198001	1198002	1198003	1198003	1198004	1198005	1198006



Ductile iron - GGG40



97/23/EC Directive N°0035 - Risk category III / module H - GGG40 body - Epoxy coated - ISO pad - PS: 16 bar up to DN300, 10 bar above - Supplied with gearbox above DN300.



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154
ISO pad	F07	F07	F07	F07	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16
square drive	9	9	9	9	11	14	14	17	22	22	22	27	27	36	36

■ Wafer - Between flanges PN10/16 & ANSI 150

1170 - Disc GGG40 epoxy coated / Seat EPDM

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
code	1170040	1170050	1170065	1170080	1170100	1170125	1170150	1170200	1170250	1170300	1170350	1170400	1170450	1170500	1170600

1173 - Disc CF8M / Seat High temperature EPDM

TS: -10°C/+130°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1173040	1173050	1173065	1173080	1173100	1173125	1173150	1173200	1173250	1173300	1173350	1173400	1173450	1173500

1174 - Disc Aluminium bronze / Seat NBR

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1174040	1174050	1174065	1174080	1174100	1174125	1174150	1174200	1174250	1174300

not on stock.

■ Lug - Between flanges PN10/16

1175 - Disc GGG40 epoxy coated / Seat EPDM

TS: 10°C/+110°C.



DN	40	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*	10/16*	10/16*
PN10 code	-	-	-	-	-	-	-	1175200	1175250	1175300	1175350	1175400
PN16 code	1175040	1175050	1175065	1175080	1175100	1175125	1175150	1175201	1175251	1175301	1175351	1175401

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

1176 - Disc CF8M / Seat EPDM

TS: -10°C/+110°C.

DN	40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*
PN10 code	-	-	-	-	-	-	-	1176200	1176250	1176300
PN16 code	1176040	1176050	1176065	1176080	1176100	1176125	1176150	1176201	1176251	1176301

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

not on stock.

Spare lever (only for butterfly valves 1170, 1173, 1174, 1175 & 1176)

DN	40	50	65	80	100	125	150	200	250	300
code	9831150	9831150	9831150	9831150	9831151	9831152	9831152	9831153	9831154	9831154

1192 - Spare gearbox (only for butterfly valves 1170, 1173, 1174, 1175 & 1176)

DN	40	50	65	80	100	125	150	200	250	300
code	1192001	1192001	1192001	1192001	1192002	1192003	1192003	1192004	1192005	1192006



NEW

Spare seat

Spare EPDM & NBR seats available on request, please consult





Ductile iron - GGG50

97/23/EC Directive N°0038 - Risk category III / module H - GGG50 body - Rilsan coated - ISO pad - PS: 16 bar up to DN300, 10 bar above - Gearbox recommended above DN200 - Supplied bare shaft above DN300 or with gearbox on specific reference.



General certifications & approvals on TTV valves

97/23/EC	ISO	MARINE	GAS	ATEX	VOLKSWAGEN	NATO	PZH



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154
ISO pad	F7	F7	F7	F7	F7	F7	F7	F7	F10	F10	F14	F14	F14	F14	F16
square drive	8	8	9	11	11	14	14	17	19	22	22	27	Ø 50*	Ø 50*	Ø 60*

* splined shaft.

■ Wafer - Between flanges PN10/16 - ANSI 150 (up to DN400 / PN10 above)

1150 - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** from DN125 to DN300,
Disc **GGG50 rilsan coated** above / Seat **EPDM**

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
lever code	1150040	1150050	1150065	1150080	1150100	1150125	1150150	1150200	1150250	1150300	1150350	1150400	1150450	1150500	1150600
gearbox code	-	-	-	-	-	-	-	-	-	-	1150352	1150402	1150452	1150502	1150602

not on stock, on request.

1153 - Disc **CF8M** / Seat **EPDM**

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1153040	1153050	1153065	1153080	1153100	1153125	1153150	1153200	1153250	1153300	1153350	1153400	1153450	1153500
gearbox code	-	-	-	-	-	-	-	-	-	-	1153352	1153402	1153452	1153502

not on stock, on request.

1149 - Disc **CF8M** / Seat **High temperature EPDM**

TS: -10°C/+130°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1149040	1149050	1149065	1149080	1149100	1149125	1149150	1149200	1149250	1149300	1149350	1149400	1149450	1149500

not on stock, on request.

1152 - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** from DN125 to DN300,

Disc **GGG50 rilsan coated** above / Seat **NBR**

TS: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1152040	1152050	1152065	1152080	1152100	1152125	1152150	1152200	1152250	1152300	1152350	1152400	1152450	1152500
gearbox code	-	-	-	-	-	-	-	-	-	-	1152352	1152402	1152452	1152502

not on stock, on request.

1151 - Disc **CF8M** / Seat **NBR**

TS: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1151040	1151050	1151065	1151080	1151100	1151125	1151150	1151200	1151250	1151300

Concentric butterfly valves



1156 - Disc **CF8M** / Seat **White NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1156040	1156050	1156065	1156080	1156100	1156125	1156150	1156200	1156250	1156300



1158 - Disc **Aluminium bronze** / Seat **NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1158040	1158050	1158065	1158080	1158100	1158125	1158150	1158200	1158250	1158300	1158350	1158400	1158450	1158500

■ not on stock, on request.



1147 - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **Carboxylated NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1147040	1147050	1147065	1147080	1147100	1147125	1147150	1147200	1147250	1147300



1154 - Disc **CF8M** / Seat **FKM**

TS: -5°C/+180°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1154040	1154050	1154065	1154080	1154100	1154125	1154150	1154200	1154250	1154300	1154350	1154400	1154450	1154500
gearbox code	-	-	-	-	-	-	-	-	-	-	1154352	1154402	-	-

■ not on stock, on request.



1157 - Disc **CF8M** / Seat **Silicone**

TS: -30°C/+150°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1157040	1157050	1157065	1157080	1157100	1157125	1157150	1157200	1157250	1157300

■ not on stock, on request.



1183 - Disc **Polished CF8M** / Seat **Alimentary silicone**

TS: -30°C/+150°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1183040	1183050	1183065	1183080	1183100	1183125	1183150	1183200	1183250	1183300

■ not on stock, on request.



1141 - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **NBR**

For gas - PS: 5 bar (class MOP5) - TS: -20°C/+60°C.

DN	32-40	50	65	80	100	125	150	200
PS (bar)	5	5	5	5	5	5	5	5
code	1141040	1141050	1141065	1141080	1141100	1141125	1141150	1141200



Concentric butterfly valves



1145 - Disc CF8M / Seat TEFLON® with silicone liner
TS: -25°C/+200°C.



DN	32-40	50	65	80	100	125	150	200	250*	300*
PS (bar)	16	16	16	16	16	16	16	10	10	10
code	1145040	1145050	1145065	1145080	1145100	1145125	1145150	1145200	1145250	1145300

* Includes gearbox.



1155 - Disc CF8M + TEFLON® / Seat TEFLON® with silicone liner
TS: -25°C/+200°C.



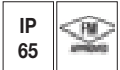
DN	32-40	50	65	80	100	125	150	200	250*	300*
PS (bar)	16	16	16	16	16	16	16	10	10	10
code	1155040	1155050	1155065	1155080	1155100	1155125	1155150	1155200	1155250	1155300

* Includes gearbox.

Lug type fig. 1165 available on request, please consult



1144 - Disc CF8M up to DN100, Disc GGG50 epoxy coated above / Seat EPDM
For fire network - FM approved - With gearbox & limit switches - TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16
code	1144050	1144065	1144080	1144100	1144125	1144150	1144200	1144250	1144300

■ Lug - Between flanges PN10/16



1160 - Disc CF8M up to DN100, Disc GGG50 epoxy coated from DN125 to DN300, Disc GGG50 rilsan coated above / Seat EPDM
TS: -10°C/+110°C.



DN	.../10: flanges PN10								.../16: flanges PN16						
	32	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	350/10	400/10
PS (bar)	16	16	16	16	16	16	16	16	10	16	10	16	10	10	10
lever code	1160032	1160040	1160050	1160065	1160080	1160100	1160125	1160150	1160200	1160201	1160250	1160251	1160300	1160350	1160400
gearbox code	-	-	-	-	-	-	-	-	-	-	-	-	-	1160352	1160402



1163 - Disc CF8M / Seat EPDM
TS: -10°C/+110°C.



DN	.../10: flanges PN10								.../16: flanges PN16						
	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16	350/10	400/10
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16	10	10
code	1163040	1163050	1163065	1163080	1163100	1163125	1163150	1163200	1163201	1163250	1163251	1163300	1163301	1163350	1163400



1162 - Disc CF8M up to DN100, Disc GGG50 epoxy coated above / Seat NBR
TS: -10°C/+90°C.

Flanges PN10

DN	40	50	65	80	100	125	150	200	250
PS (bar)	16	16	16	16	16	16	16	10	10
code	1162040	1162050	1162065	1162080	1162100	1162125	1162150	1162200	1162250



1164 - Disc CF8M / Seat FKM
TS: -5°C/+180°C.

DN	40	50	65	80	100	125	150	200
PS (bar)	16	16	16	16	16	16	16	10
code	1164040	1164050	1164065	1164080	1164100	1164125	1164150	1164200

Concentric butterfly valves



1181 - Disc CF8M up to DN100, Disc **GGG50 epoxy coated** above / Seat **NBR**

For gas - PS: 5 bar (class MOP5) - TS: -20°C/+60°C.

Flanges PN10

DN	40	50	65	80	100	125	150	200
PS (bar)	5	5	5	5	5	5	5	5
code	1181040	1181050	1181065	1181080	1181100	1181125	1181150	1181200



1166 - Disc CF8M / Seat **PTFE**

TS: -25°C/+200°C.

Flanges PN10

DN	32-40	50	65	80	100	125	150	200
PS (bar)	16	16	16	16	16	16	16	10
code	1166040	1166050	1166065	1166080	1166100	1166125	1166150	1166200



1182 - Disc CF8M up to DN100, Disc **GGG50 epoxy coated** above / Seat **EPDM**

For fire network - FM approved - With gearbox & limit switches - TS: -10°C/+110°C.

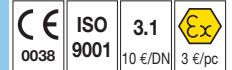
Flanges PN16



DN	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16
code	1182050	1182065	1182080	1182100	1182125	1182150	1182200	1182250	1182300

Carbon steel & stainless steel

97/23/EC Directive N°0038 - Risk category III / module H - Wafer - Between flanges PN10/16 & ANSI 150 - PS: 16 bar.



1184 - Body CF8M / Disc **CF8M** / Seat **EPDM**

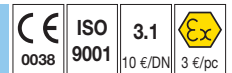
TS: -10°C/+110°C.

DN	32-40	50	65	80	100	125	150	200	250	300
code	1184040	1184050	1184065	1184080	1184100	1184125	1184150	1184200	1184250	1184300

SMOKE



97/23/EC Directive N°0038 - Risk category III / module H - Between flanges PN10/16 & ANSI 150 - Metal seat - ISO pad - PS: 16 bar - Uncomplete tightness: loss factor 2% of Kvs - ⚠️ **Not suitable for steam.**



1111 - Body A216WCB / Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above

TS: -20°C/+350°C.

NEW NEW

DN	32-40	50	65	80	100	125	150	200	250	300
code	1111040	1111050	1111065	1111080	1111100	1111125	1111150	1111200	1111250	1111300

Available up to DN1400 on request



1112 - Body & Disc CF8M

TS: -30°C/+350°C.

DN	32-40	50	65	80	100	125	150	200
code	1112040	1112050	1112065	1112080	1112100	1112125	1112150	1112200



Accessories for TTV butterfly valves

1197 - Spare gearbox with position indicator

DN	50	65	80-100	125-150	200	250	300	350	400	450	500	600
code	1197050	1197065	1197100	1197150	1197200	1197250	1197300	1197350	1197400	1197451	1197501	1197601



1194 - Chain wheel gearbox

DN	40-50	65	80-100	125-150	200	250	300	350	400
code	1194050	1194065	1194100	1194150	1194200	1194250	1194300	1194350	1194400



Chain

per m	
code	9866209



1196 - Cast iron sleeve - To fit in EN 558 séries 14 spacing (without flange & bolts)

DN	40	50	65	80	100	125	150	200
length	107	107	124	134	138	144	154	170
DIN total length	140	150	170	180	190	200	210	230
code	1196040	1196050	1196065	1196080	1196100	1196125	1196150	1196200



98666 - Stem extension (75 mm)

DN	32-40-50	65	80-100	125-150	200	250	300
code	9866601	9866602	9866603	9866604	9866605	9866606	9866607

Other stem extensions on request



983120 - Spare aluminium lever

DN	40	50	65	80	100	125	150	200	250	300
code	9831201	9831201	9831202	9831203	9831203	9831204	9831204	9831205	9831206	9831207



983126 - Stainless steel lever & plate (to be ordered along with the valve)

DN	40	50	65	80	100	125	150	200
code	9831260	9831260	9831261	9831262	9831262	9831263	9831263	9831264

Spare seats for TTV butterfly valves

EPDM
-10°C/+110°C

NBR
-10°C/+90°C

FKM
-5°C/+180°C

SILICONE
-30°C/+150°C

CARBOXYL. NBR
-10°C/+90°C

DN	40	50	65	80	100	125	130	200	250	300	350	400	450	500	600
code	9865000	9865001	9865002	9865003	9865004	9865005	9865006	9865007	9865050	9865051	9865220	9865221	9865222	9865223	9865224
code	9865108	9865109	9865110	9865111	9865112	9865113	9865114	9865115	9865116	-	-	-	-	-	-
code	9865133	9865124	9865125	9865126	9865127	9865128	9865129	9865130	9865131	9865132	-	-	-	-	-
code	-	9865117	9865118	9865119	9865120	9865121	9865122	9865123	9865134	9865135	-	-	-	-	-
code	9865230	9865231	9865232	9865233	9865234	9865235	9865236	9865237	9865238	9865239	-	-	-	-	-

98650 - Spare discs for TTV butterfly valves



DN	40	50	65	80	100	125	150	200	250	300
GGG50 code	9865030	9865031	9865032	9865033	9865034	9865035	9865036	9865037	9865038	9865039
CF8M code	9865020	9865021	9865022	9865023	9865024	9865025	9865026	9865027	9865028	9865029

Butterfly valves with limit switch box

Manual valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features page 66).

1150 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **EPDM** - See features of the valve page 31.

1153 - Disc **CF8M** / Seat **EPDM** - See features of the valve page 31.



DN	1150 code
40	2603030462012
50	2603040462012
65	2603050462012
80	2603060462012
100	2603070462012
125	2603080462012
150	2603090462012
200	2603100462012

DN	1153 code
40	2603630462012
50	2603640462012
65	2603650462012
80	2603660462012
100	2603670462012
125	2603680462012
150	2603690462012
200	2603700462012

Carbon steel & stainless steel



97/23/EC Directive N°0035 - Risk category III / module H - Fire safe ISO 10497 - PTFE seats (15% graphite filled) - ISO pad - TS: -29°C/+210°C - **Supplied with gearbox above**
DN150 - ⚠️ Steam up to 10 bar max.



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	65	80	100	125	150	200	250	300	350	400
face to face "E"	43	46	47	53	57	56	62	68	78	78	102
ISO pad	F07/F05	F07/F05	F10/F07	F10/F07	F10/F07	F10/F07	F12/F10	F12/F10	F14/F12	F14/F12	F16/F14
square drive	11	11	14	14	17	17	19	22	27	27	36

Wafer - Between flanges PN16/25

1113 - Body A216WCB / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	25	25	25	16/25*	16/25*	16/25*	16/25*	16/25*	16/25*	25	25
PN16 code	-	-	-	1113101	1113126	1113151	1113201	1113251	1113301	-	-
PN25 code	1113050	1113065	1113080	1113100	1113125	1113150	1113200	1113250	1113300	1113350	1113400

* PS: 16 bar for PN16 valves, 25 bar for PN25 valves.

1114 - Body CF8M / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	25	25	25	25	25	25	25	25	25	25	25
PN25 code	1114050	1114065	1114080	1114100	1114125	1114150	1114200	1114250	1114300	1114350	1114400

Wafer - Between flanges ANSI 150

1115 - Between flanges ANSI 150 - Body A216WCB / Disc CF8M

NPS	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
PS (bar)	20	20	20	20	20	20	20	20	20	20
code	1115050	1115065	1115080	1115100	1115125	1115150	1115200	1115250	1115300	1115350

1116 - Between flanges ANSI 150 - Body CF8M / Disc CF8M

NPS	2"	2 1/2"	3"	4"	5"	6"	8"
PS (bar)	20	20	20	20	20	20	20
code	1116050	1116065	1116080	1116100	1116125	1116150	1116200

Options

983132 - Spare ductile iron lever (only for butterfly valves 1113, 1114, 1115 & 1116)

DN	50	65	80	100	125	150
code	9831320	9831320	9831321	9831321	9831322	9831322

1193 - Spare gearbox with position indicator (only for butterfly valves 1113, 1114, 1115 & 1116)

DN	50	65	80	100	125	150
code	1193001	1193001	1193002	1193003	1193004	1193004



NEW



MOUNTING
12 €/pc