

Stainless steel

TECHNICAL DATA BALL VALVE

Construction:	2-way full bore ball valve
Design:	1-piece design
Connection end:	Flansch acc.to DIN 2501/1-EN 1092-1
Actuator connection:	According to DIN EN ISO 5211 [direct assembly]
Body:	Stainless steel 1.4408
Screw-in ring:	Stainless steel 1.4408
Ball:	Stainless steel 1.4401 with flushing hole
Stem:	Stainless steel 1.4401 blow-out proof
Ball seal:	PTFE TFM1600
Stem seal:	PTFE EPDM O-ring
Medium temperature:	0°C up to +65°C pressure dependent [90°C for max. 30 Minutes]
Medium nominal pressure:	Max. 10 bar temperature-dependent

Approval :

- DIN DVGW TRINKWASSER
DIN EN 13828 | DVGW W570-1 PN10 bis DN100
DIN EN 1074-1 | DIN EN 1074-2 PN16 bis DN 150
- SIL nach IEC61508|61518
- EAC nach TR CU 010/2011



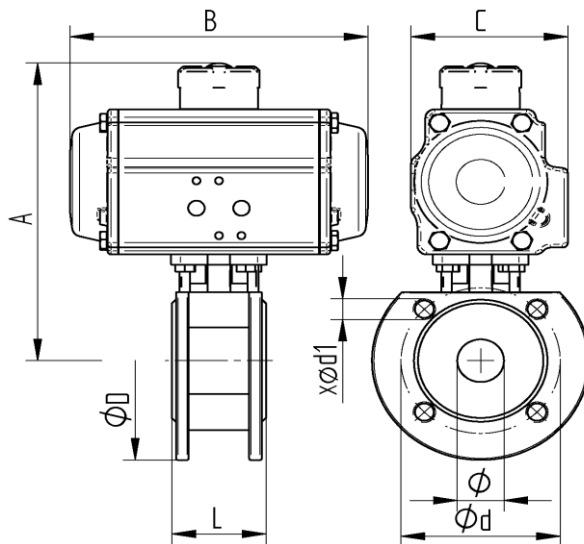
SIL
IEC 61508

TECHNICAL DATA ACTUATOR

FR single acting

Design Feature:	Rack and pinion principle
Piston guide:	Self centering in housing
Housing:	Aluminum alloy anodized
Cover end caps:	Aluminum alloy, RAL 5002 blue painted
Seals:	NBR
Pinion:	Steel chemically hard nickel plated
Piston Rack:	Aluminum alloy
Pivot angle:	90° adjustable F _{rom} +5° to -5°
Operating temperature:	-20°C to +80°C
Number of springs:	12 packs each 6 pcs per side
Torque max:	Torque table Pilot pressure table
Control medium:	Filtered & lubricated air according to Pneurop/ISO Kl. 5
Control pressure:	Rated to 6 bar
Actuator Valve:	according to DIN ISO 5211
Actuator Control valve:	according to Namur resp. VDI/VDE 3845
Actuator Signal devices:	according to Namur resp. VDI/VDE 3845
Position indicator :	optical, mounted in scope of delivery

Flange connections



Item No.	øDN	ø mm	L mm	øD mm	ød	X ø d1	A mm	B mm	C mm
FR010931-04	15	15	42	95	65	4 x M12	146	142	72
FR010931-05	20	20	44	105	75	4 x M12	151	142	72
FR020931-06	25	25	50	115	85	4 x M12	175	162	84
FR030931-07	32	32	60	140	100	4 x M16	203	208	96
FR030931-08	40	38	65	150	110	4 x M16	209	208	96
FR040931-09	50	50	80	165	125	4 x M16	230	246	108
FR050931-10	65	63,5	110	185	145	4 x M16	264	266	123
FR060931-11	80	76	120	200	160	8 x M16	312	347	151
FR070931-12	100	95	150	220	180	8 x M16	372	475	202
FR070931-13	125	118	180	250	210	8 x M16	409	475	202
FR080931-14	150	142	225	285	240	8 x M20	466	570	232