



Electrically operated stainless steel ball valve RX® fig. 3188HMF/ER
three-piece, full bore

three-piece stainless steel ball valve in DIN-ISO overall length with full bore and female connection or welded connection and electric actuator

Ball valve	: fig. 3188HMF
Material body	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Connection piece	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Ball	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Spindle	: stainless steel, X5CrNiMo17-12-2 (1.4401)
Bolts/nuts/circlips	: stainless steel, X5CrNi18-10 (1.4301)
Seats	: 15% RPTFE (glass fibre reinforced PTFE)
Material spindle gaskets	: 15% RPTFE (glass fibre reinforced PTFE)
O-ring	: FPM
Body seal	: PTFE
Connection	: both sides; - BSP female connection as per BS 21 - NPT female connection as per ANSI B2.1 - sleeve weld - butt weld
Overall length	: - female connection and sleeve weld as per DIN 3202 M3 - butt weld as per DIN 3202 S13
Construction	: three-piece cast body with full bore
Operating pressure	: - up to 1.1/2" ; max. 63 bar (PN63)* - from 2" ; max. 40 bar (PN40)*
Temperature	: -30 °C to +180 °C
Actuator	: RX® type ER.00
Supply voltage	: DC and AC as required; see Table 2
Running time	: 90° angle of rotation; see Table 2
Material body	: nylon GF6.6
Material cover	: ABS
Material screws	: stainless steel
Driving	: - open/closed, relay - 3-points modulating
Limit switches	: micro switches, 250V AC, 5A; - x 2 for motor connections - x 2 suitable for position feedback
Duty cycle	: 50%
Temperature range	: -10 °C to +55 °C
Enclosure protection	: IP65
Position indicator	: removable plastic position indicator on continuous drive shaft
Manual override	: on continuous drive shaft; - ER10-20; T grip (provided) - ER35-60-100; with adjustable spanner (not provided)

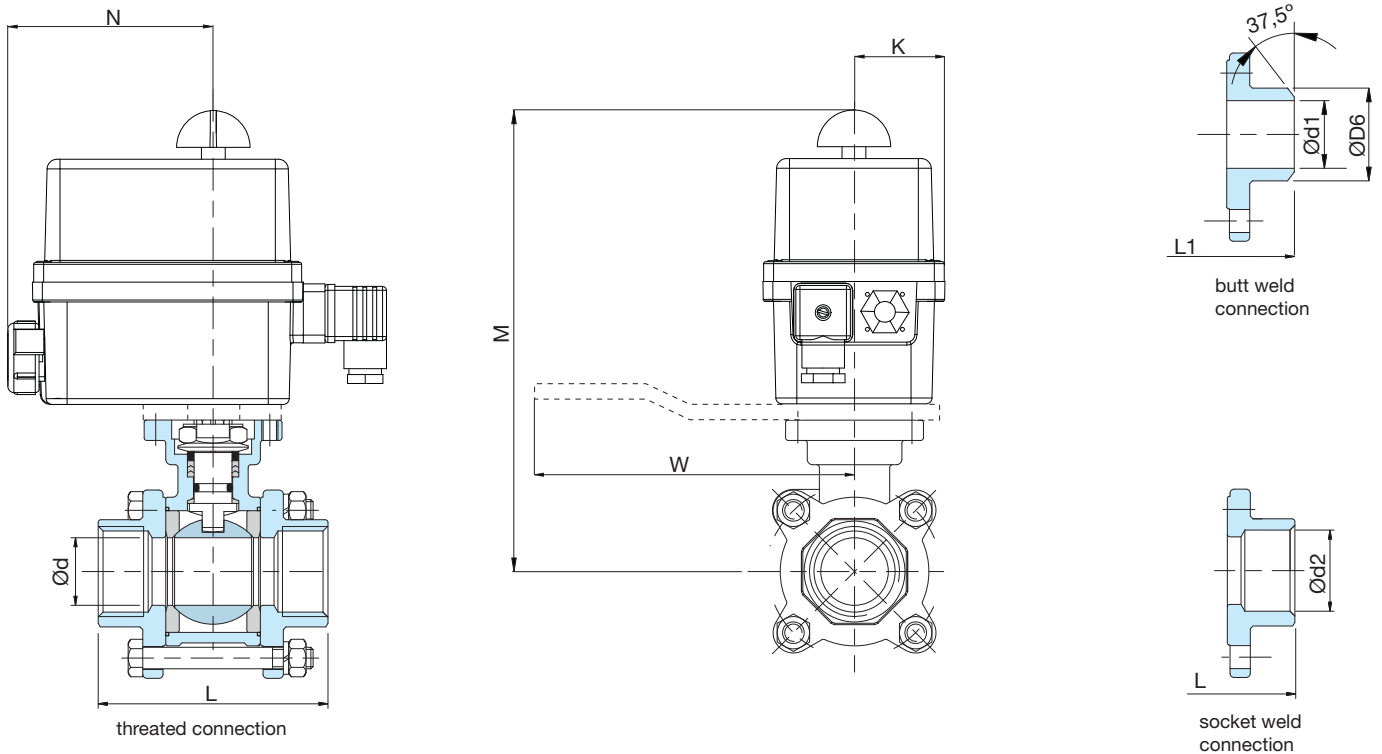
* The selection of the actuator is based on a maximum differential pressure of 10 bar!

All ball valves and actuators in accordance with PED 97/23/EC

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Tabel 1: Dimensions fig. 3188HMF/ER; maximum operating pressure 10 bar

BSP		1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
Actuator, type ER		10	10	10	10	20	20	35	35	100	100	*
Ød (wire and sleeve weld)	mm	10	12.5	15	20	25	32	38	50	65	78	
L (wire and sleeve weld)	mm	75	75	75	80	90	110	120	140	185	205	
Ød2 (wire and sleeve weld)	mm	14.1	17.6	21.7	27.1	33.8	42.6	48.7	61.1	76.9	89.8	
Ød1 (butt weld)	mm	10	12.5	16	20	25	33.8	39.5	50.8	62.7	77.9	
ØD6 (butt weld)	mm	17	17	21.3	26.7	33.6	42.4	48	60.5	76.1	88.9	
L1 (butt weld)	mm	70	70	75	90	100	110	125	150	190	220	
K	mm	46	46	46	46	46	46	64	64	64	64	
N	mm	91	91	91	91	91	91	97	97	97	97	
M**	mm	186	186	186	193	203	207	251	258	283	292	
W**	mm	180	180	180	180	180	180	200	200	200	200	
Weight	kg	1.51	1.51	1.51	1.71	1.88	3.48	5.09	6.09	11.57	14.57	

* on request

** Handle, type ERP is optional.

Dimension M with handle, type ERP:

- for ER10-20; + 4 mm

- for ER35-60-100; + 5 mm

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Table 2: Electrical data fig. 3188HMF/ER

<i>BSP</i>	<i>Actuator</i>	<i>Supply</i>	<i>Power</i>	<i>Running time</i>
			<i>W</i>	<i>s</i>
up to 3/4"	ER10	100-240V AC	15	10
		24V AC/DC	15	10
1" and 1.1/4"	ER20	100-240V AC	15	20
		24V AC/DC	15	20
1.1/2" and 2"	ER35	100-240V AC	15	35
		24V AC/DC	15	35
2.1/2" and 3"	ER100*	100-240V AC	15	100
		24V AC/DC	15	100

* shorter execution on request