



fig. 3182

Stainless steel ball valve RX®**fig. 3182HMF****two-piece, full bore with flange connection and ISO top flange**

two-piece stainless steel ball valve in EN 558 overall length with full bore and flange connection, suitable for direct fitting of actuator

Material body	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Connecting piece	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Ball	: stainless steel, GX5CrNiMo19-11-2 (1.4408)
Spindle	: stainless steel, X5CrNiMo17-12-2 (1.4401)
Spindle nut	: stainless steel, X5CrNi18-10 (1.4301)
Spindle nut locking ring	: stainless steel, X5CrNi18-10 (1.4301)
Spring washers	: stainless steel, X5CrNi18-10 (1.4301)
Gland	: stainless steel, X5CrNi18-10 (1.4301)
Bolts	: 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
Process connection	: flanges, according to EN1092-1 - DN15 up to DN50: PN40 - from DN65: PN16 (note: DN65: 4 holes)
Overall length	: according to EN 558 Gr27
Construction	: two-piece cast body with full bore and flange connection
ISO top flange	: - as per ISO 5211, suitable for the direct fitting of actuators
Operating pressure	: see diagram
Temperature	: see diagram
ATEX 94/9/EC	: EEx II 2 GDcX
Other characteristics	: - ball with pressure relief - self-adjusting spindle sealing - "blow-out proof" spindle design - antistatic
Options	: - Firesafe design as per API-607
Operation	: - handle; see fig. 3182HMF/MH - pneumatic; spring return, see fig. 3182HMF/ASR - pneumatic; double-acting, see fig. 3182HMF/ADA - electric; see fig. 3182HMF/ER and fig. 3182HMF/VS
	All ball valves in accordance with PED 97/23/EC2 (1.4408)
Spindle	: stainless steel, X5CrNiMo17-12-2 (1.4401)
Spindle nut	: stainless steel, X5CrNi18-10 (1.4301)
Spindle nut locking ring	: stainless steel, X5CrNi18-10 (1.4301)
Spring washers	: stainless steel, X5CrNi18-10 (1.4301)
Gland	: stainless steel, X5CrNi18-10 (1.4301)
Bolts	: 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
Process connection	: flanges, according to EN1092-1 - DN15 up to DN50: PN40 - from DN65: PN16 (note: DN65: 4 holes)
Overall length	: according to EN 558-1 GR27

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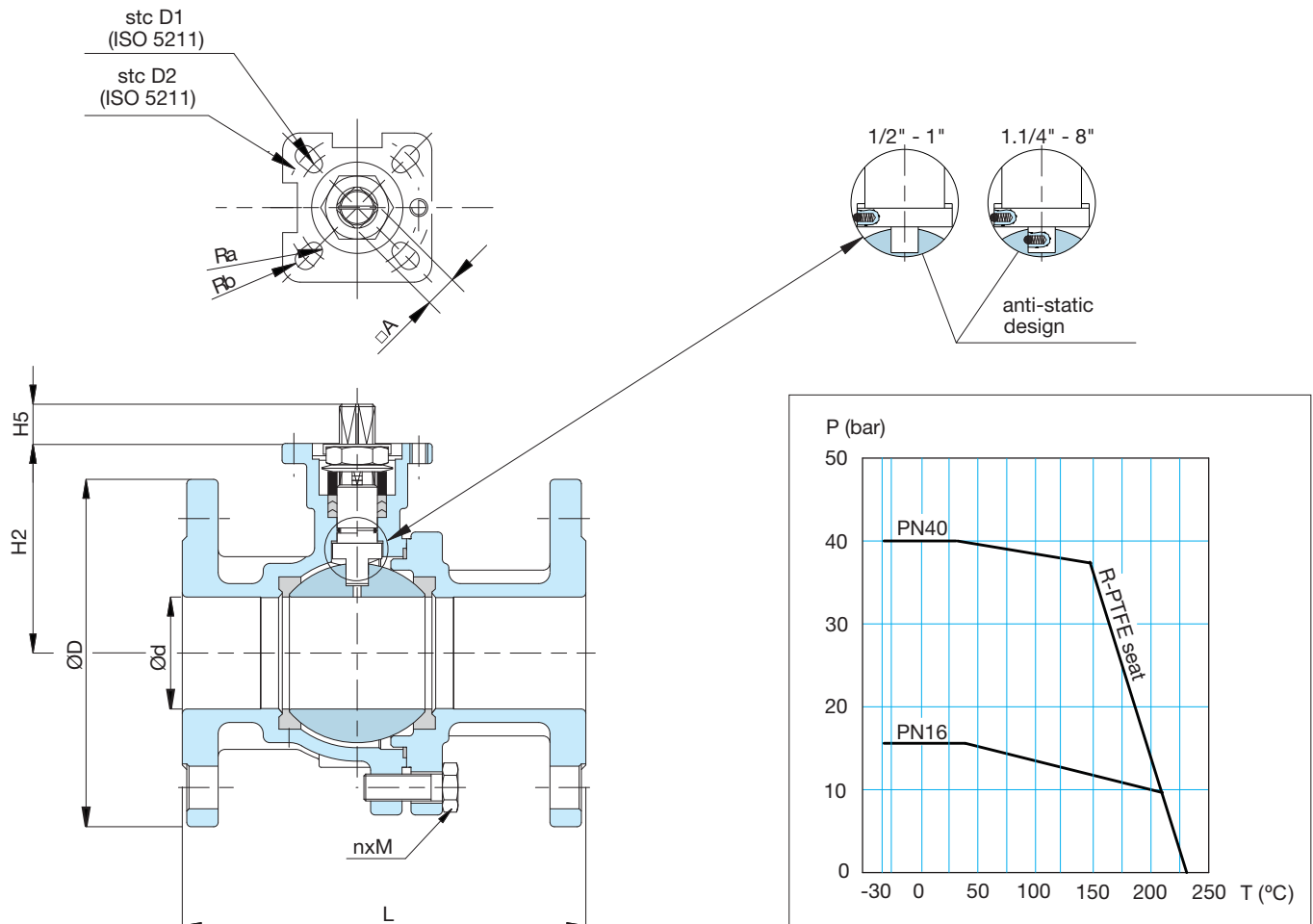
Construction : two-piece cast body with full bore and flange connection
ISO top flange : - as per ISO 5211, suitable for the direct fitting of actuators
Operating pressure : see diagram
Temperature : see diagram
ATEX 94/9/EC : EEx II 2 GDcX

Other characteristics : - ball with pressure relief
 - self-adjusting spindle sealing
 - "blow-out proof" spindle design
 - antistatic

Options : - Firesafe design as per API-607

Operation : - handle; see fig. 3182HMF/MH
 - pneumatic; spring return, see fig. 3182HMF/ASR
 - pneumatic; double-acting, see fig. 3182HMF/ADA
 - electric; see fig. 3182HMF/ER and fig. 3182HMF/VS

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



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Tabel 1: Dimensions fig. 3182HMF

<i>DN</i>		15	20	25	32	40	50	65	80	100	125	150	200
<i>PN</i>		40	40	40	40	40	40	16	16	16	16	16	16
<i>Ød</i>	<i>mm</i>	15	20	25	32	40	50	65	80	100	125	150	200
<i>ØD</i>	<i>mm</i>	95	105	115	140	150	165	185	200	220	250	285	340
<i>L</i>	<i>mm</i>	115	120	125	130	140	150	170	180	190	325	350	400
<i>n</i>		4	4	4	4	4	4	6	6	8	8	8	12
<i>M</i>		M8	M8	M10	M10	M12	M12	M12	M12	M12	M12	M16	M16
<i>H2</i>	<i>mm</i>	55	66.5	66.5	74	85.5	92.5	113	124.5	142.5	182	201	259
<i>H5</i>	<i>mm</i>	9	11	11	11	14	14	17	17	22	27	27	36
<i>A</i>	<i>mm</i>	9	9	11	11	14	14	17	17	22	27	27	36
<i>torque</i>	<i>Nm</i>	14	17	20	25	28	32	45	65	80	120	170	250
<i>stc D1 (ISO 5211)</i>		F03	F03	F04	F04	F05	F05	F07	F07	F10	F10	F10	F14
<i>stc D2 (ISO 5211)</i>		F04	F04	F05	F05	F07	F07	F10	F10	F12	F12	F12	
<i>Ra</i>	<i>mm</i>	R3	R3	R3	R3	R3.5	R3.5	R4.5	R4.5	R5.75	R5.75	R5.75	R9.25
<i>Rb</i>	<i>mm</i>	R3	R3	R3.5	R3.5	R4.5	R4.5	R5.5	R5.5	R6.75	R6.75	R6.75	
<i>K_{vs}*</i>	<i>m³/h</i>	13	34	60	163	259	371	672	965	1400	3100	4050	8700
<i>weight</i>	<i>kg</i>	2.37	3.17	4.43	5.80	8.29	10.29	13.93	18.23	24.70	43.10	54.40	86.9

* the K_{vs} value gives the quantity of water in m^3/h that flows through a fully opened ball valve at a pressure drop of 1 bar over the ball valve