



Mars Series 94D-40 (PN16) Stainless Steel Ball Valve

- Stainless Steel Full Bore Ball Valve
- Sizes from 1/2" - 4"
- 2 Piece, PN16 Rated
- PN16 Flanges
- RTFE/PTFE Seats
- ISO Mounting Pad for Easy Actuation
- Supplied with Lever

Can be used with



Description

The Mars Series 94D-40 is probably one of the most popular and commonly requested flanged ball valves we offer and one that is used throughout many different industries. Offering both quality and economy this 2 piece full flow ball valve is manufactured in stainless steel and flanged to PN16. The valve is equipped with an ISO mounting top for ease of actuation but is also supplied with a lockable lever handle. RTFE Seats (50% SS Filled PTFE Seats Option), self adjusting stem sealing and anti blow out stem are among the added benefits of this valve. Sizes range from 1/2" up to 4" DN15 - DN100.

Temperatures range - 20°C to + 180°C.

Compliance Standard:

ANSI B16.34, ANSI B16.5, ANSI B16.10,
API 509, API 607, BS5351, BS6755,
ISO 5211, DIN 3337, DIN 3202, DIN 2501,
MSS SP25, MSS SP55, JIS B2002,
JIS B2212, JIS B2003

Material Certificate: EN 10204 - 3.1

Options

API 607 and BS6755 Fire Safe Design on Request



Description

The series 94D-40 is a stainless steel PN16 flanged full bore ball valve. Seats are RPTFE and body which is investment cast in 316. Rated to PN16 this valve is designed for both manual (lever handle) and automatic isolation of fluids and gases.



Beschreibung

Die Serie 94D-40 ist ein PN16-Flansch-Kugelhahn mit vollem Durchgang aus Edelstahl. Die Sitze sind aus RPTFE und das Gehäuse aus Feinguss ist aus 316. Dieses Ventil ist für PN16 ausgelegt und sowohl für die manuelle (Hebelgriff) als auch für die automatische Absperrung von Flüssigkeiten und Gasen ausgelegt.



Descripción

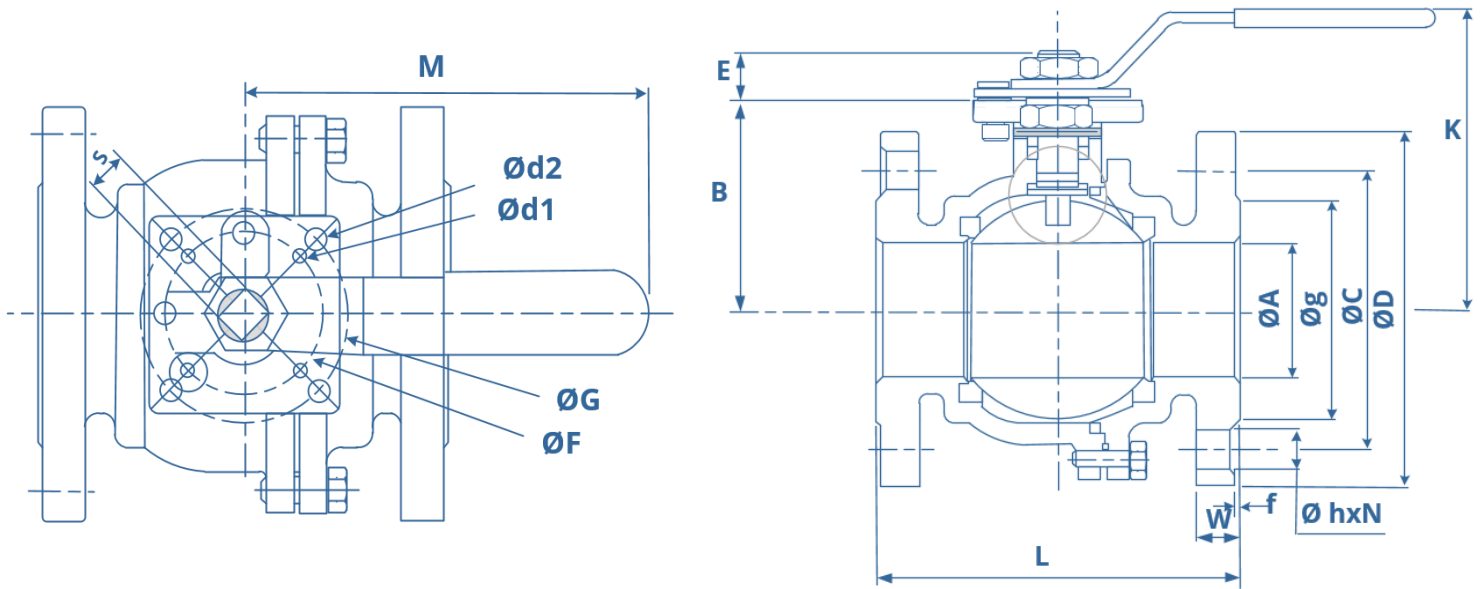
La serie 94D-40 es una válvula de bola de paso total con brida PN16 de acero inoxidable. Los asientos son de RPTFE y el cuerpo de fundición de inversión es de 316. Con clasificación PN16, esta válvula está diseñada para aislamiento manual (palanca) y automático de fluidos y gases.



Description

La série 94D-40 est une vanne à boisseau sphérique à passage intégral à bride en acier inoxydable PN16. Les sièges sont en RPTFE et le corps en fonte de précision est en 316. Classé PN16, cette vanne est conçue à la fois pour l'isolement manuel (poignée à levier) et automatique des fluides et des gaz.





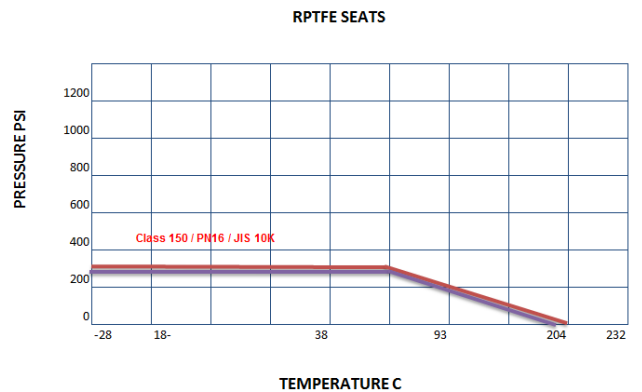
Dimensions - 94-D (PN16) mm

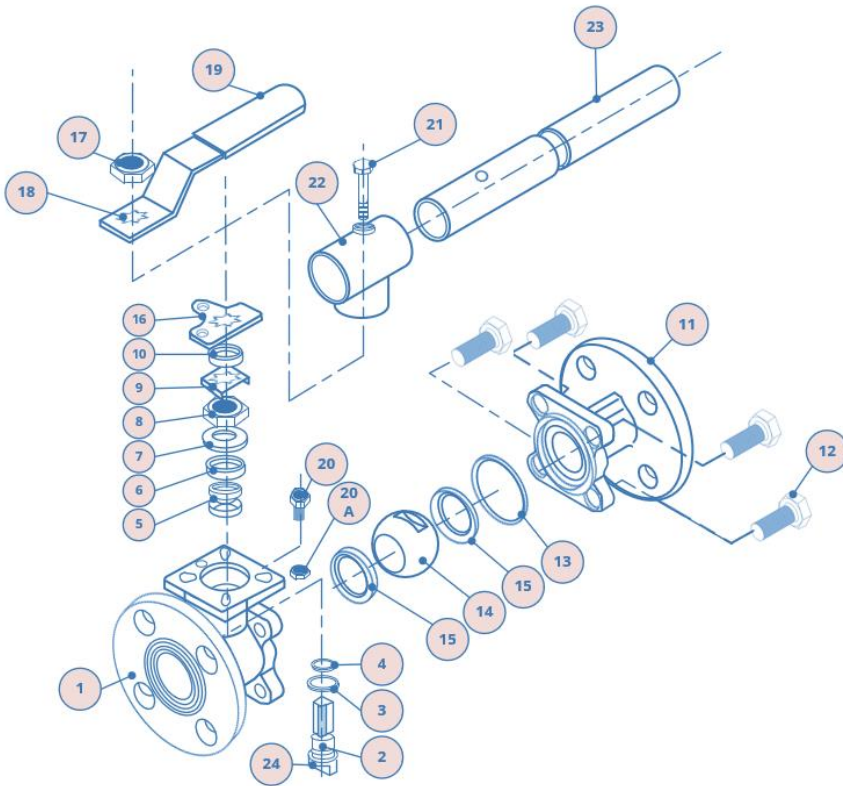
Size	ØA	B	E	L (F4)	L (F1)	S	K	M	ØF	ØG	Ød1	Ød2	End Flange (PN16)						Wt (Kg)	ISO5211	
													ØD	ØC	Øh	Øg	N	W			f
1/2"	15	48	11	115	130	9	80	130	36	42	6	6	95	65	14	45	4	14	2	2.13	F03/F04
3/4"	20	53	11	120	150	9	80	130	36	42	6	6	105	75	14	58	4	14	2	2.85	F04/F04
1"	25	59	14	125	160	11	90	165	42	50	6	7	115	85	14	68	4	16	2	3.72	F04/F05
1 1/4"	32	71	14	130	180	11	102	165	42	50	6	7	140	100	18	78	4	16	2	5.32	F04/F05
1 1/2"	38	76	18	140	200	14	110	205	50	70	7	9.2	150	110	18	88	4	16	3	6.96	F05/F07
2"	50	85	18	150	230	14	120	205	50	70	7	9.2	165	125	18	102	4	18	3	9.68	F05/F07
2 1/2"	65	93.5	23	170	290	17	140	300	70	102	9.2	11.4	185	145	18	122	4	18	3	13.49	F07/F10
3"	80	103	23	180	310	17	150	340	70	102	9.2	11.4	200	160	18	138	4	20	3	17.53	F07/F10
4"	100	132	25	190	350	22	180	420	102	125	11.4	13.5	220	180	18	158	8	20	3	25.62	F10/F12

Break Away Torque & Cv Values

Size	DN	Inch-Lb	NM	.S.GPM	Kv M3/hour
1/2"	15	62	7	7.5	6.5
3/4"	20	80	9	16	14
1"	25	89	10	40	34
1 1/4"	32	124	14	70	60
1 1/2"	40	195	22	110	95
2"	50	222	25	240	206
2 1/2"	65	558	63	400	344
3"	80	665	75	700	602
4"	100	1320	149	980	843

PRESSURE / TEMPERATURE CHART





The mars series 94D direct mount ball valve sets a new standard for actuator mounting. Enhances functional performance with easy installation and lower maintenance costs.

Materials

No.	Part Name	Material	Qty
1	Body	CF8M/1.4408	1
2	Stem	SS316	1
3	Stem Seal	RPTFE	1
4	O-Rig	VITON	1
5	Stem Packing	Graphite	2
6	Gland	SS304	1
7	Belleville Washer	SS301	2
8	Stem Nut	SS304	1
9	Nut Lock	SS304	1
10	Space Washer	SS304	1
11	Flange End	CF8M/1.4408	1
12	Bolts	SS304	*
13	Gasket	PTFE	1
14	Ball	SS316	1
15	Ball Seat	PTFE/RPTFE	2
16	Stopper	SS304	1
17	Handle Nut	SS304	1
18	Handle	SS304	1
19	Handle Sleeve	Vinyl	1
20	Position Pin	SS304	1
20A	Pin Nut	SS304	1
21	Set Bolt	SS304	1
22	Lever Head	CF8	1
23	Lever	Steel pipe	1
24	Anti-Static Device	SS316	1



Easy To Actuate both
Pneumatically and Electrically