

SKU: BV5149

-  Mars Series 83 Ball Valve
-  Mars Serie 83 Kugelhahn
-  Serie Mars válvula de bola 83
-  Mars Série 83 Ball Valve

Valves[™]
O N L I N E

- 1/4 " - 4" Heavy duty three piece ball valve
- 1/4 "- 4" Schwerlast drei Stück Kugelhahn
- 1/4 " - 4" Para trabajo pesado de tres piezas válvula de bola
- 1/4 " - 4" Heavy duty trois pièces vanne à boisseau sphérique



3 Piece Encapsulated Heavy Duty Ball Valve
Body in Carbon Steel
Full or Reduced Bore
Pressure Rating up to 2000 PSI
Glass filled PTFE Seats and carbon graphite seals

Description

Mars Series 83 Heavy Duty, 3 piece ball valve. Full or reduced bore, having a Carbon Steel body, all fitted with Glass filled PTFE seats and Graphite seals. The valve has a unique encapsulated body bolt design. A Lockable lever is supplied as standard for manual operation. The body seals can be replaced/ maintained in line by dropping the swing out body without disassembly.

Ends come in either BSPP, NPT, Socket Weld and Butt weld (SCHD 40)
Options for butt weld schd 10 and OD tube.
Other options include carbon filled / stainless steel filled seals.



Description

Mars series 83 is a high performance ball valve that is fully maintainable and particularly useful for manual isolation. Offered in full or reduced bore in a carbon steel body. Available in BSP, NPT, Socket weld and Butt weld (SCHD 40) supplied with latch locking lever. Seats are Glass filled PTFE and seals carbon graphite.

1/4" - 1" - 2000 PSI
1 1/4" - 2" - 1500 PSI
2 1/2" - 4" - 1000 PSI



Beschreibung

Mars -Serie 83 ist ein Hochleistungs- Kugelhahn , die voll wartbar und besonders nützlich für die manuelle Trennung ist . In einem Kohlenstoffstahlkörper Angeboten in voller oder reduzierter Bohrung . Erhältlich in BSP, NPT , Socket Schweißnaht und Anschweißenden mit Fallensperrhebelzuggeführt (SCHD 40) . Die Sitze sind aus Glasfaser gefülltem PTFE und Dichtungen Kohlegraphit .

1/4 " - 1" - 2000 psi
1 1/4 " - 2 " - 1500 psi
2 1/2 " - 4 " - 1000 psi



Descripción

Marte serie 83 es una válvula de bola de alto rendimiento que es totalmente mantenible y particularmente útil para el aislamiento manual. Se ofrece en paso total o reducido en un cuerpo de acero al carbono . Disponible en BSP , NPT , zócalo de soldadura y soldadura a tope (SCHD 40) suministrado con palanca de bloqueo de cierre . Los asientos son de cristal PTFE y juntas llena de grafito de carbono .

1/4 " - 1" - 2000 PSI
1 1/4 " - 2 " - 1500 PSI
2 1/2 " - 4 " - 1000 PSI



Description

Série Mars 83 est une vanne à boisseau sphérique de haute performance qui est entièrement maintenable et particulièrement utile pour l'isolement manuel. Offert en passage intégral ou réduit dans un corps en acier au carbone . Disponible en BSP, NPT , Socket soudure et soudure en bout (SCHD 40) fourni avec levier de verrouillage de verrouillage . Les places sont en verre rempli PTFE et les joints de graphite de carbone .

1/4 " - 1" - 2000 PSI
1 1/4 " - 2 " - 1500 PSI
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ValvesTM

ONLINE

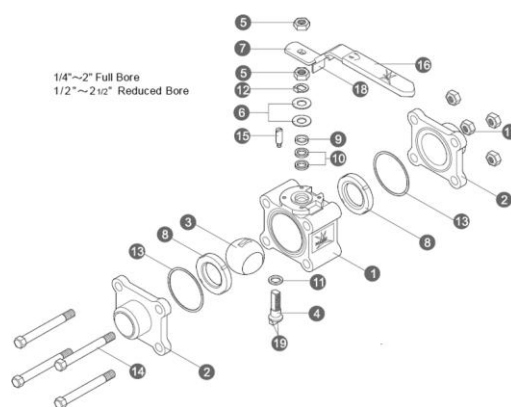
Mars series 83 ball valve

3 Piece Encapsulated Heavy Duty Ball Valve
Body in Carbon Steel
ISO Mounting Pad for Easy Actuation
Pressure Rating up to 2000 PSI
ATEX Approved

Technical and Parts List			
No.	Part Name	Material	Qty
1	Body	ASTM A351 Gr.	1
2	End Cap	ASTM A351	2
3	Ball	SUS316	1
4	Stem	SUS316	1
5	Stem Nut	SUS304	1
6	Belleville washer	SUS301	1
7	Handle	SUS304	1
8	Ball Seat	Reinforced PTFE	2
9	Gland	SUS304	1
10	V-Ring Packing	MG1241	1
11	Stem Seal	Reinforced PTFE	1
12	Lock Saddle	SUS304	1

Specification	
Pressure range	1/4" to 1" 2000 PSI
	1 1/4" to 2 1/2" 1500 PSI
Size	1/4" to 2" Full Bore, 1/2" to 2 1/2" Reduced Bore
Temperature range	minus 20° to + 200° (see graph)
Movement	90 deg turn
Cycle life	1,000,000 operations
Standard Approvals	Fire safe certified to API607 (4th edition) Antistatic PED Approval, ANSI B16.34, Test to EN10204
Options	TA-Luft, NACE MR-0175,

The Mars Series 83 is a three piece heavy duty ball valve with fully encapsulated body bolts. Supplied in carbon steel, full or reduced bore. Suitable for manual on off or V control.



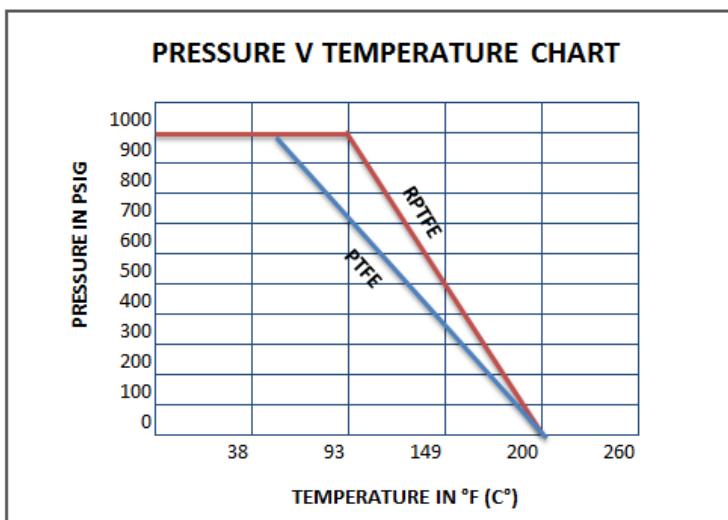
End connection Options

Socket Weld
 Butt Weld (sch40)
 NPT



Options

Stainless Steel filled PTFE seats
 V Sector Balls



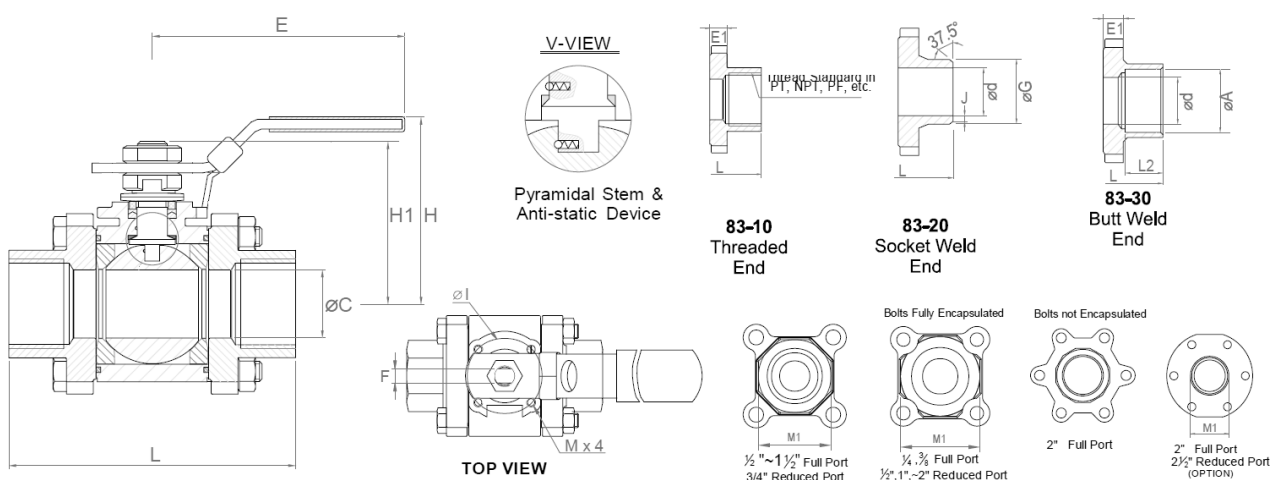
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Dimensions Full Bore							Weight Kg
Size	C	E	H	H1	L	W	
1/4"	10	134	63.8	37	64.8	0.8	0.68
3/8"	10	134	63.8	37	64.8	0.8	0.68
1/2"	15	134	72	45.6	72.5	0.81	0.83
3/4"	20	134	76.4	51.4	85.4	1.27	1.37
1"	25	170	83	61.2	105.3	1.94	2.05
1 1/4"	32	170	88	64.2	111	2.65	2.74
1 1/2"	38	207	104.2	79	127.3	3.75	3.99
2"	50	207	121.7	295	¹⁴² _{R145}	5.43	5.83

Dimensions Red. Bore							Weight Kg
Size	C	E	H	H1	L	W	
1/4"	Use Full Bore						
3/8"	10	134	63.8	37	64.8	0.65	0.68
1/2"	15	134	72	45.6	72.5	1	0.86
3/4"	20	134	76.4	51.4	85.4	1.4	1.43
1"	25	170	83	61.2	105.3	2.1	1.97
1 1/4"	32	170	88	64.2	111	3	2.77
1 1/2"	38	207	104.2	79	127.3	4.2	3.95
2"	50	207	121.7	95	145		

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Options

Mars Series 83 Heavy Duty, 3 PCE Ball Valve.

WATER JACKET

This ball valve is particularly good with heating jackets, which prevent solidification and blockage.

V-CONTROL

V control valves match the control of globe valves, excellent for modulating service. Compact, lightweight and less expensive than globe valves.

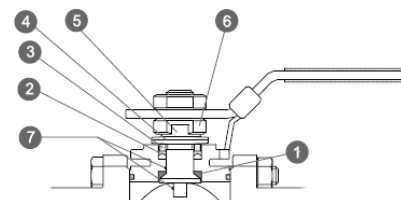


Breakaway Torque and Cv (G.P.M)

Valve Size		Break Away Torque (Nm)		Cv (G.P.M)	
Size	DN	Full Bore	Red Bore	Full Bore	Red Bore
1/4"	8	7	-	8	-
3/8"	10	7	-	8	-
1/2"	15	8	7	15	8
3/4"	20	10	8	34	15
1"	25	14	10	56	34
1 1/4"	32	23	14	85	56
1 1/2"	40	31	23	125	85
2"	50	46	31	250	125

Series 83 Heavy Duty Three Piece Ball Valves

Construction	3 Piece In-Line Swing Out Design
Pressure rating	3000 PSI Max
Valve Material	Standard: ASTM A351 Gr. CF8M / DIN 1.4408 Options: WCB, 316L, S/S, Titanium, Duplex S/S, Hastelloy... etc
Seat Material	Standard: R-TFE Options: TFM 1600, PEEK, Carbon filled PTFE, Delrin, UHMWPE, 50/50 S/S filled PTFE, Metal Seats and others
Inspection and Test	API 598, BS6755 Part 1
Compliance Standards	ANSI B16.34, B16.25, ANSI B1.20, API 6D, API 598, API 607, ISO 5209, ISO 5211, ISO 5752
Options	NACE MR - 0175 Standard valve is non firesafe design, firesafe valve is optional



1. PYRAMIDAL STEM WITH STEM SEAL

First stage of defense against leakage. The 45 degree slope of the stem accompany by the stem seal effectively blocks all leak path from forming during rotation.

2. V-RING STEM PACKING

Second stage of defense against leakage. Triple layers of V-Ring Chevron packing expands side ways as it is being compressed, blocking all air pockets thus preventing leak path. The grinding effect of metal to PTFE contact.

3. GLAND

Made of stainless steel, equally distributes the compressive force on the packing and the seal.

4. BELLEVILLE WASHER

Release stored compressive energy for automatic compensation of seals due to wear and tear fluctuation of temperature and pressure.

5. LOCK SADDLE

Stabilizes the stem nut to keep it from loosening.

6. STEM NUT

Compress the entire stem system to enable blocking of leakage.

7. ANTI-STATIC DEVICE

Standard applied between stem and ball, stem and body.

