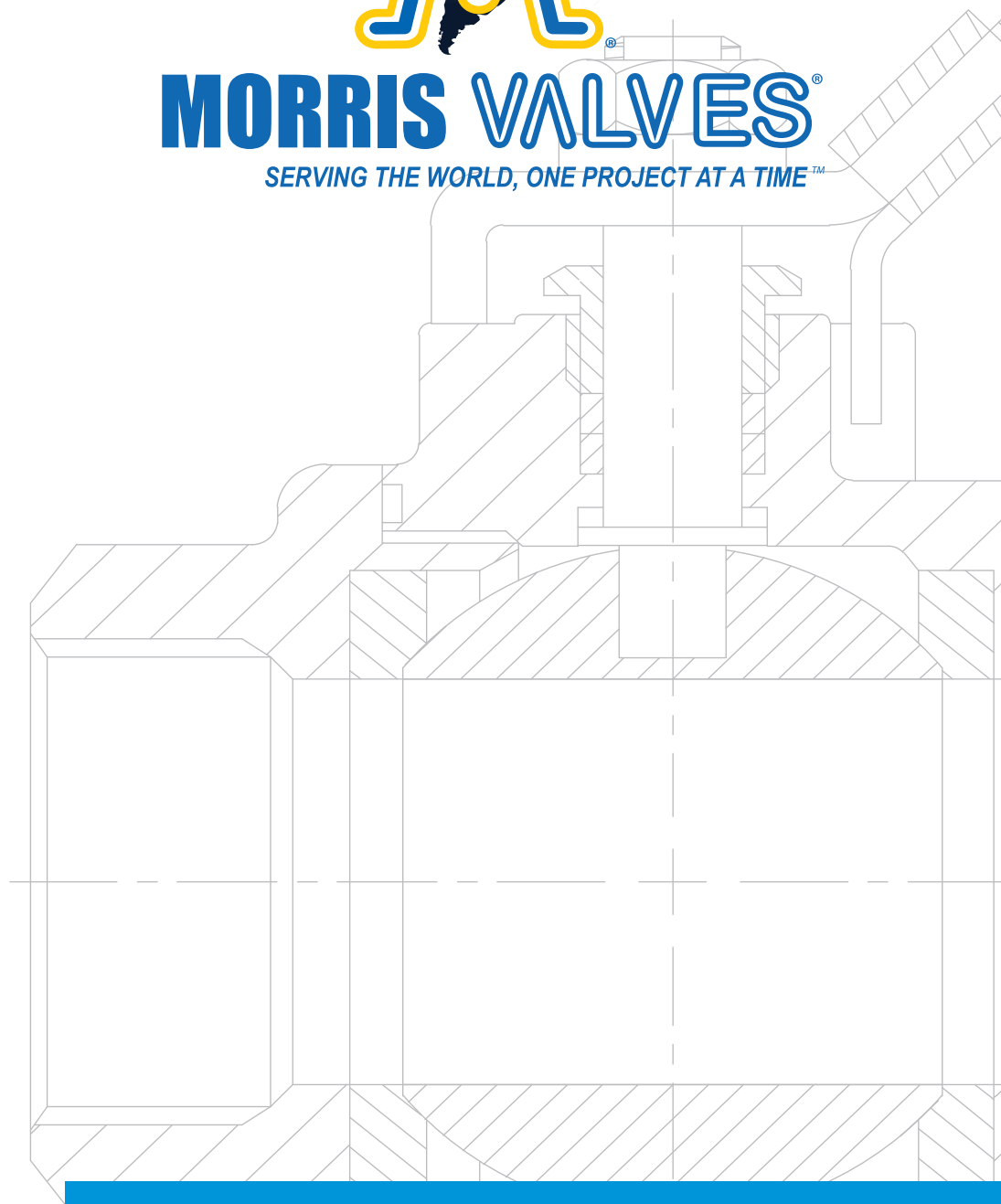




MORRIS VALVES®

SERVING THE WORLD, ONE PROJECT AT A TIME™



SLEEVED TYPE PLUG VALVES API 6D

www.morrisvalve.com



MORRIS VALVES

SERVING THE WORLD, ONE PROJECT AT A TIME™

In 1984, our journey into the business of repairing valves and industrial instrumentation began. That journey has led us to represent and service well known American brands and companies. In early 2000, our experience and growing passion for the valve industry encouraged our decision to launch our own brand, Morris Valves. Starting with the highly requested Ball Valves, the brand has been based on the principal of quality and performance to match our customers' needs. Our high standards of production later lead us to incorporate other models such as Gate Valve and Check Valves to our production. These additions were carefully selected to match our Standard of Quality. Our success has been driven by our belief of "Tradition with Quality" in everything we do. Our products are developed with that belief which drives our growth and guides the service we provide to our customers.

Our vision is to be amongst the leading corporations in the supply of goods and services related to valves, their components and industrial equipment in general. We want to conquer new markets in conformity with international standards and remain committed to customer satisfaction, the welfare of our company and the sustainability our planet.

Mission

Our mission is to use our highly trained, highly focused, and extremely motivated staff to work with manufacturers who value quality and have the vision for new development and product applications to ensure the timely provision of goods and services related to valves, their components and industrial equipment in general. We maintain a rigorous standard of customer satisfaction, which will provide for the welfare of the company, the welfare of the countries we serve, and most importantly the sustainability of the planet.

Contacts

Address: 13548 Cedar Hill Rd., Montgomery, TX. 77356, USA.

Telephone: +1 (832) 666-5576

Cel: +1 (832) 983 – 0744

Email: sales@morrisvalve.com



Vision

"Serving the world, one project at a time"

United States of America

United States Patent and Trademark Office

MORRIS VALVES

Reg. No. 5,462,890

Registered May 08, 2018

Int. Cl.: 7

Trademark

Principal Register

MORRIS VALVES, INC. (FLORIDA CORPORATION)

5590 N.w. 84th Ave.

Miami, FLORIDA 33166

CLASS 7: Valves being parts of machines; Valves as machine components; Butterfly valves being parts of machines; Gate valves being parts of machines; Plug valves being parts of machines; Globe valves being parts of machines

FIRST USE 00-00-2010; IN COMMERCE 00-00-2010

THE MARK CONSISTS OF STANDARD CHARACTERS WITHOUT CLAIM TO ANY PARTICULAR FONT STYLE, SIZE OR COLOR

OWNER OF U.S. REG. NO. 4840307, 4241184, 4241186

No claim is made to the exclusive right to use the following apart from the mark as shown:
"VALVES"

SER. NO. 87-575,517, FILED 08-18-2017



Andrew Iancu

Director of the United States
Patent and Trademark Office

SLEEVED TYPE PLUG VALVES

TYPE SPV

Size:

NPS 2" – 14" (DN 50 – DN350)

ASME CLASS (150 – 900) PN16-PN100

- * Free of body cavities to entrap flow medium.
- * Bi-directional in-line bubble-tight seal.
- * Class VI Shut Off, large sealing area.
- * The Plug edge provides self – cleaning when it rotating.
- * Applicable for glutinous & pasty mediums.

FEATURES Specifications:

- Design Standard:

- * API6D/API599
- * ASME B16.34

- Face to face:

- * ASME B16.10

- End Connections:

- * FLANGED: ASME B16.5
- * BUTT WELDING: ASME B16.25
- * SOCKET WELDING: ASME B16.11
- * THREADED: ANSI/ASME B1.20.1

- Test:

- * API 6D / API598

- Materials:

- * Body/Bonnet:
- * ASTM A 216 WCB/CF8/CF8M
- * Alloy Steel / Duplex SST
- * NACE MR075. Sulfide stress cracking resistant metallic materials for oil field equipment.
- * Plug:
- * Sleeve
- * PTFE /RPTFE
- * EPTFE

- Actuation:

Lever, Handwheel, Worm Gear, Electrical, Pneumatic,

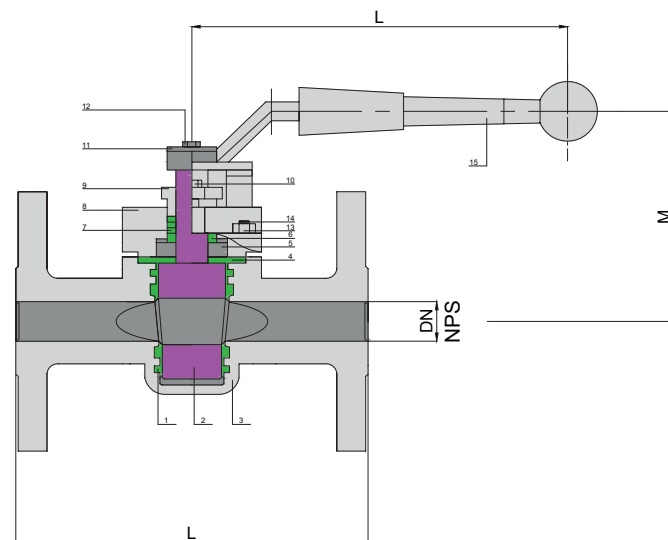
- Operating Temperature:

(-29 – 180) °C



HOW TO ORDER

TYPE SPV – SIZE/RATING – END CONN. – BODY/BONNET MATL - SLEVE MATL - ACTUATOR



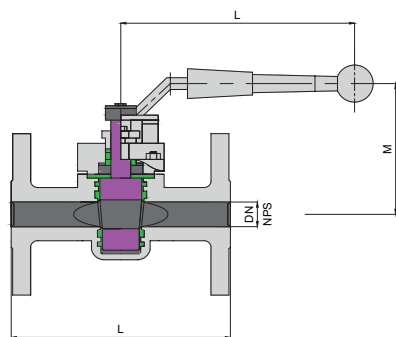
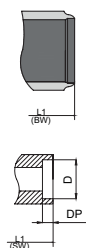
Main Dimensions Parts

Item	Part Name	Material	Item	Part Name	Material
1	BODY	WCB/CF8/CF8M/ALLOY STEEL/HASTELLOY/INCONEL/MONEL	9	PACKING GLAND	CF8M/OTHERS
2	PLUG	CF8/CF8M/ALLOY STEEL/INCONEL/MONEL/OTHERS	10	PACKING GLAND BOLT	A193 B7
3	SLEEVE	PTFE/ETFE/OTHER	11	PLAIN WASHER	304 SST
4	BONNET GASKET	PTFE	12	LEVER BOLT	A193 B7
5	TRUST COLLAR	CF8M	13	BONNET NUT	A194 2H
6	RETAINING RING	CF8M	14	BONNET BOLT	A193 B7
7	PACKING	PTFE	15	ACTUATOR (LEVER)	
8	BONNET	WCB/CF8/CF8M/ALLOY STEEL/HASTELLOY/INCONEL/MONEL			

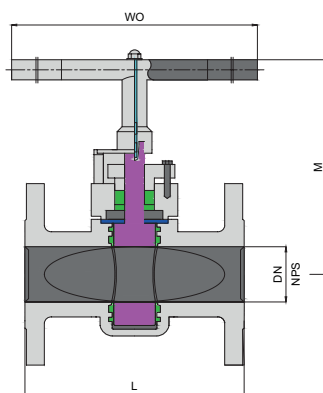


MORRIS VALVES
BEYOND THE HORIZON, ONE PRODUCT AT A TIME

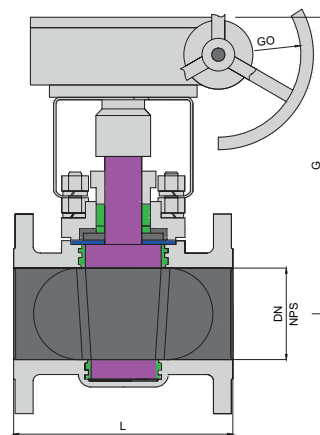
13548 Cedar Hill Rd., Montgomery, TX. 77356, USA. Phone :+1 (832) 666-5576 www.morrisvalve.com



≤ DN 40
≤ NPS 1-1/2



DN 50-80
NPS 2 - 3



≥ DN100
≥ NPS 4

Main Dimensions (mm) CLASS 150

Size(in)	L(RF)	L1(BW/SW) +/- 1.5	LO	WO	G	GO	Wt(Kg)	SW / THRD	
								D (in)	DP(in)
1/2"	108	152	110	175	--	--	8.5	0.860	0.38
3/4"	117	178	115	175	--	--	9.5	1.070	0.50
1"	127	203	115	175	--	--	10.5	1.335	0.50
1-1/2"	165	229	140	280	--	--	14	1.920	0.50
2"	178	267	150	305	--	--	18	2.411	0.63
2-1/2"	190	305	165	350	--	--	22		
3"	203	330	180	405	--	--	26		
4"	229	356	--	--	380	300	40		
6"	267	394	--	--	520	320	70		
8"	292	457	--	--	580	320	130		
10"	330	533	--	--	620	350	219		
12"	356	610	--	--	680	380	381		
14"	381	686	--	--	760	450	570		

Main Dimensions (mm) CLASS 300

Size(in)	L(RF)	L1(BW/SW) +/- 1.5	LO	WO	G	GO	Wt(Kg)
1/2"	140	152	110	175	--	--	9.5
3/4"	152	178	115	175	--	--	10.5
1"	165	203	115	175	--	--	12
1-1/2"	190	229	140	280	--	--	16
2"	216	267	150	305	--	--	20
2-1/2"	241	305	165	350	--	--	24
3"	283	330	180	405	--	--	29
4"	305	356	--	--	380	300	53
6"	403	457	--	--	520	320	85
8"	419	521	--	--	580	320	185
10"	457	559	--	--	620	350	230
12"	502	635	--	--	680	380	390
14"	762	762	--	--	760	450	550

Main Dimensions (mm)								
Size(in)	L(RF)/L1(BW)		LO	WO	G	GO	SW / THRD	
	CLASS600	CLASS900					CLASS600	CLASS900
1/2"	165	229	110	175	--	--	11	13
3/4"	190	229	115	175	--	--	13	16
1"	216	254	115	175	--	--	17	21
1-1/2"	241	305	140	280	--	--	23	28
2"	292	368	150	305	--	--	27	32
2-1/2"	330	381	165	350	--	--	31	40
3"	356	419	180	405	--	--	36	47
4"	432	457	--	--	380	300	72	91
6"	559	610	--	--	520	320	141	165
8"	660	737	--	--	580	320	245	285
10"	787	838	--	--	620	350	330	420
12"	838	965	--	--	680	380	515	610
14"	889	1029	--	--	760	450	710	860

Additional Information.

ETFE vs PTFE

PTFE is constructed from carbon and fluorine atoms whereas ETFE is built from carbon, fluorine and hydrogen. Giving advantages to using both.

The tensile strength of ETFE can be as much as 38% greater than PTFE, meaning ETFE material can be subjected to harsher operating conditions than its counterpart. This is why most chemical pumps are supplied in ETFE as it is a stronger material for the injection molding process they go through.

However, PTFE has a coefficient of friction at one-third of ETFE making it more suitable when a high flow is needed as it helps reduce pipe friction losses.

Thermal properties of both materials are also a key differentiation... PTFE can reach a maximum temperature of 327c whereas ETFE can reach a maximum temperature of 267c.

This stage is critical when choosing the best suited pump; if the application needed to be pumped can reach anywhere near these temperatures it is best to choose PTFE as both materials get softer near their maximum temperature points.

Furthermore, PTFE has a Limiting Oxygen Index (the minimum percentage concentration of oxygen at which the polymer will burn) greater than 95% whereas ETFE is between 30-36%, meaning that PTFE should be considered in higher oxygen environments.



A Tradition of Quality

*Our passion is to develop
solutions for difficult situations in
Industrial Applications, no matter
how large or small the project.*

"Serving the world, one project at a time"

