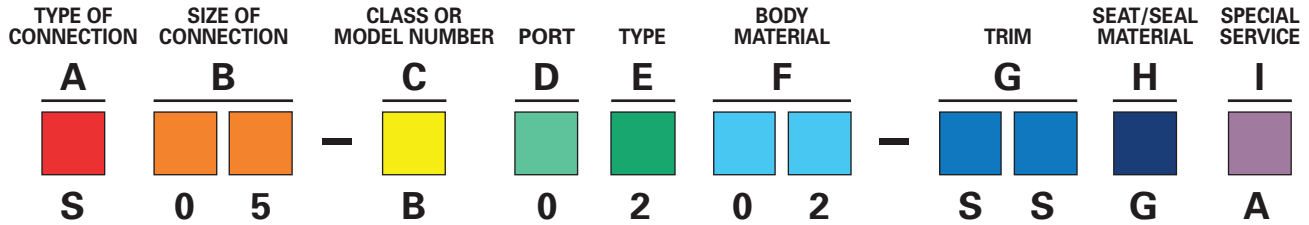


HOW TO ORDER MEMORYSEAL™ BALL VALVES

GENERAL INFORMATION ON HOW TO ORDER:

- The figure numbers shown on this brochure are designed to cover essential features on Velan valves.
- Please use figure numbers to ensure prompt and accurate processing of your order.
- A detailed description must accompany any special orders.



Example: 1" (25 mm) threaded, HB-2000, standard port valve in carbon steel with stainless steel trim and glass-filled Teflon seat for standard service.

A TYPE OF CONNECTION			
B - Butt weld	C - Combination (socketweld/threaded)	D - DIN flanged	E - Welded stubs butt weld
F - Flanged B16.5 (B16.47 series A)	G - Small tongue and groove	K - Compact Flanges	P - Flanged B16.47 series B (API 605)
R - Flanged ring joint	S - Threaded	T - Studded drilled & tapped	U - Undrilled flanges
W - Socketweld	Z - Welded stubs socketweld		
B SIZE OF CONNECTION			
Customers have the choice of specifying valve size as part of the valve figure number (B) using the numbers below, or indicating valve size separately.			
EXAMPLES:			
S05-B0202-SSGA (valve size is part of figure number)			
1" (25 mm) S-B0202-SSGA (valve size is shown separately)			
01 - 1/4" (8 mm)	07 - 1 1/2" (40 mm)	14 - 6" (150 mm)	21 - 18" (450 mm)
02 - 3/8" (10 mm)	08 - 2" (50 mm)	15 - 8" (200 mm)	22 - 20" (500 mm)
03 - 1/2" (15 mm)	09 - 2 1/2" (65 mm)	16 - 10" (250 mm)	23 - 22" (550 mm)
04 - 3/4" (20 mm)	10 - 3" (80 mm)	18 - 12" (300 mm)	24 - 24" (600 mm)
05 - 1" (25 mm)	12 - 4" (100 mm)	19 - 14" (350 mm)	
06 - 1 1/4" (32 mm)	13 - 5" (125 mm)	20 - 16" (400 mm)	
C MODEL NUMBER / CLASS			
For threaded or socketweld use model number:			
B - HB-2000	C - EE-1000	G - TE-600	P - EP-2000
For all flanged and for buttweld 2 1/2" and larger ⁽¹⁾ :			
0 - 150	1 - 300	2 - 600	
D PORT			
0 - Regular or reduced port	5 - Full port, short pattern		
1 - Full port			
2 - Special			
E TYPE			
1 - End-Entry (Two-Piece)			
2 - Bar Stock (One-Piece)			
3 - One-Piece/Unibody			
4 - Split-Body			
6 - Top-Entry			
T - Top-Entry Non-Memoryseal seat ⁽³⁾			

F BODY MATERIAL					
02 - A105, WCB	15 - F347, CF8C	27 - LF3/LC3	39 - LC2		
03 - F1, WC1	18 - F321	28 - F317, CG8M	40 - Titanium Gr. 3		
04 - F5, C5	19 - Monel M35	29 - F317L, CG3M	41 - Titanium Gr. 7		
05 - F11, WC6	20 - Inconel ⁽²⁾	31 - LCC	42 - Titanium Gr. 12		
06 - F22, WC9	21 - Hastelloy C	32 - F51	43 - F53		
09 - F9, C12	22 - Titanium Gr. 5	34 - F91, C12A	44 - Ferralium 255		
11 - F304, CF8	23 - Alloy 20	35 - F44, 254 5MO	45 - F55		
12 - F304L, CF3	24 - LF1	36 - F321H	46 - GS-C25N		
13 - F316, CF8M	25 - LCB	37 - Incoloy 825	47 - F347H		
14 - F316L, CF3M	26 - LF2	38 - LC1			
G TRIM					
CODE	BALL	STEM	CODE	BALL	STEM
AL	Aluminum	Aluminum	NN	316 Ni plated	Nitronic 50
AY	Alloy 20	Alloy 20	NP	316 Ni plated	316
BR	Brass CR plated	Brass	SB	304	304
CA	CA6NM	CA6NM	SN	316 Cr plated	Nitronic 50
CB	C5	C5	SP	316 Cr plated	316
CC	CS-CR plated	CS plated	SS	316	316
CN	CS-Ni plated	316	SV	317	317
CP	CS-CR plated	316	TI	Titanium Gr. 3	Titanium Gr. 3
CR	13% Chr.	630	TN	Stellite	Nitronic 50
CT	C12	C12	TP	Stellite	316
HC	Hastelloy C	Hastelloy C	TR	Stellite	630
IN	Inconel	Inconel	TT	Stellite	Stellite
MO	Monel	Monel			
H SEAT/SEAL MATERIAL					
B - Bronze-filled PTFE	L - Delrin	W - Devlon			
C - Graphite reinforced PTFE	P - Peek 30% glass ⁽³⁾	Z - Tefzel			
D - Carbon filled nylon	Q - Metalized carbon graphite M110 ⁽³⁾				
E - TFM 1600	R - Metalized carbon graphite M444 ⁽³⁾				
F - FEP	S - PPS				
G - Glass reinforced PTFE	T - PTFE				
K - PFA	U - UHMWPE				
I SPECIAL SERVICE					
A - Standard	H - Cryogenic	Q - API 6D	W - Seal joint		
B - Block & bleed	I - NACE sour gas	R - Coker	Z - Fire-tested to API 607 rev. 4		
C - Chlorine	J - Vacuum	T - Bonnet, double packing			
E - TE-600	K - Digester capping				
F - Cavity filler	M - Mining	U - Lethal			
G - Oxygen	N - Nuclear	V - Bellows seal ⁽⁴⁾			

(1) Actual valve pressure temperature ratings depend on choice of materials.

(2) Must specify grade.

(3) For P, Q, and R seats use Type T. Ex: WXX-G1T13-SPRE

(4) For Top-Entry ball valves standard materials of bellows is Hastelloy C.

If any other kind of bellows is required the material must be clearly specified on the order.