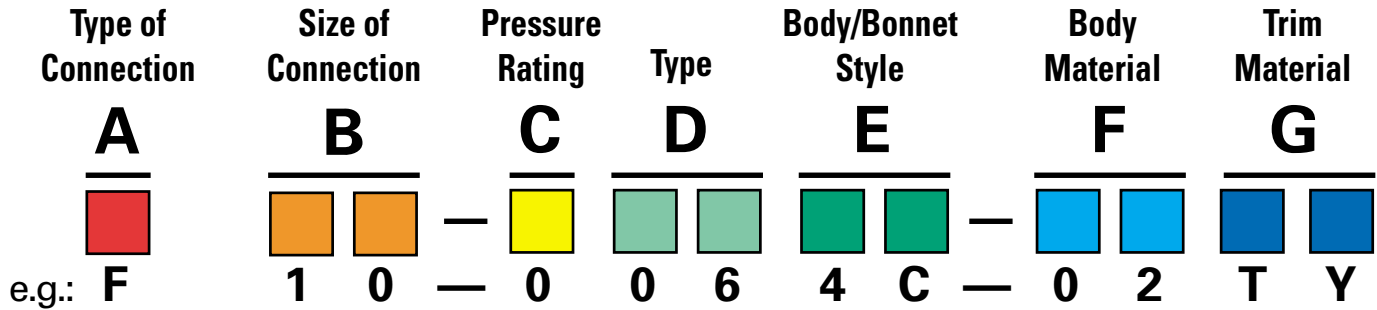


CAST STEEL GATE, GLOBE & CHECK VALVES



Example: Flanged 3" class 150 cast carbon steel full bore gate valve with TY trim.

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

A TYPE OF CONNECTION			
A - Special	F - Flanged B16.5 (B16.47 series A)	R - Flanged ring joint	U - Undrilled flanges
B - Butt weld	P - Flanged B16.47 series B (API 605)	X - Butt weld (intermediate class)	
C - Combination			
D - DIN flanged			
E - Welded stubs			

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:			
F10-0064C-02TY (valve size is part of figure number)			
3"F-0064C-02TY (valve size is shown separately)			
08 - 2" (50 mm)	16 - 10" (250 mm)	26 - 26" (650 mm)	44 - 44" (1100 mm)
09 - 2½" (65 mm)	18 - 12" (300 mm)	28 - 28" (700 mm)	46 - 46" (1150 mm)
10 - 3" (80 mm)	19 - 14" (350 mm)	30 - 30" (750 mm)	48 - 48" (1200 mm)
11 - 3½" (90 mm)	20 - 16" (400 mm)	32 - 32" (800 mm)	54 - 54" (1350 mm)
12 - 4" (100 mm)	21 - 18" (450 mm)	34 - 34" (850 mm)	60 - 60" (1500 mm)
13 - 5" (125 mm)	22 - 20" (500 mm)	36 - 36" (900 mm)	99 - Special
14 - 6" (150 mm)	23 - 22" (550 mm)	40 - 40" (1000 mm)	
15 - 8" (200 mm)	24 - 24" (600 mm)	42 - 42" (1050 mm)	

C PRESSURE RATING			
0 - 150	1 - 300	2 - 600	3 - 1500 7 - 900

D VALVE TYPE			
01 - Flow control	07 - Stop globe	09 - Needle	99 - Special
06 - Full port gate	08 - Stop check	11 - Swing check	

E BODY / BONNET STYLE	
4 - Vertical	A - Special C - Bolted bonnet (cast) E - Extended bonnet (cryogenic) V - Cast bolted bonnet bellows seal

F BODY MATERIAL			
01 - Special	09 - C12	19 - Monel M35	31 - LCC
02 - WCB	11 - CF8	23 - Alloy 20	34 - C12A (F91)
03 - WC1	12 - CF3	25 - LCB	38 - LC1
04 - C5	13 - CF8M	27 - LC3	39 - LC2
05 - WC6	14 - CF3M	28 - CG8M	46 - GS-C25N
06 - WC9	15 - CF8C	29 - CG3M	

G TRIM				API Number	If applicable BELLOWS ⁽²⁾
CODE	WEDGE/DISC SURFACE ⁽¹⁾	SEAT SURFACE ⁽¹⁾	STEM		
MS	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	316		321
MY	CF8M or 316	Stellite 6 ⁽³⁾	316	12	321
TS	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	13 CR (410) ⁽⁴⁾	5	321
TY	13 CR (410 or CA15)	Stellite 6 ⁽³⁾	13 CR (410)	8	
NA	13 CR (410 or CA15) HRC 22 max	Stellite 6 ⁽³⁾	13 CR (410) HRC 22 max.	8 ⁽⁶⁾	
NB	CF8M	Stellite 6 ⁽³⁾	316	12 ⁽⁶⁾	321
NC	Monel	Stellite 6 ⁽³⁾	Monel	11 ⁽⁶⁾	Hastelloy C
ND	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	630 (H1150M)		
NE	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	13 CR (410) HRC 22 max.	5 ⁽⁶⁾	
NF	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	Same as Body		
NG	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	316		321
NN	CF8M	Stellite 6 ⁽³⁾	316		IN 625
NX	Monel	Monel	Monel		
AS	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	321		321
AY	CF8C/F321	Stellite 6 ⁽³⁾	321		321
CC	Alloy 20	Alloy 20	Alloy 20	13	
ES	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	347		
EY	CF8C/F347	Stellite 6 ⁽³⁾	347		
HC	Hastelloy C	Stellite 6 ⁽³⁾	Hastelloy C		Hastelloy C
MF	CF8M or 316 w/ Teflon insert ⁽⁵⁾	Stellite 6 ⁽³⁾	316		
MH	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	316		Hastelloy C
MN	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	316		IN 625
MX	CF8M	316	316	10	
TF	13 CR (410 or CA15) w/ Teflon insert ⁽⁵⁾	Stellite 6 ⁽³⁾	13 CR (410)		
TH	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	13 CR (410) ⁽⁴⁾		Hastelloy C
TN	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	13 CR (410) ⁽⁴⁾		IN 625
XS	Stellite 6 ⁽³⁾	Stellite 6 ⁽³⁾	Monel		
XX	Monel	Monel	Monel	9	
XY	Monel	Stellite 6 ⁽³⁾	Monel	11	
SX⁽⁷⁾	Same as body	Integral	Same as body	10	
GX⁽⁷⁾	Same as body	Integral	Same as body	10	
SY⁽⁷⁾	Same as body	Stellite 6 ⁽³⁾	316	12	
GY⁽⁷⁾	Same as body	Stellite 6 ⁽³⁾	316	12	
GS	Stellite 6 ⁽³⁾	Integral	316		
SB⁽⁷⁾	Bronze	Integral	316		

(1) Base material is either the same as the body or solid trim at manufacturer's option.
 (2) Bellows material shown as standard, Inconel can be used in lieu of 321 and Hastelloy C in lieu of Inconel, where design and/or pressure class applicable.
 (3) Stellite 6 or Stellite 21 based on material or application at manufacturer's option.
 (4) 616HT Manufacturer's Std. (F91 and C12A only).
 (5) Inserts may be in seat or wedge at manufacturer's option.
 (6) NACE service valves are supplied with all materials conforming to NACE MRO175. (Including bolting with max. hardness of RC22).
 (7) SB, SX, SY PTFE gasket and packing GS, GX, GY Graphite gasket and packing.

Note: For a more detailed list of available trims, contact the factory or visit our web site at www.velan.com