



Size
1/2" to 24" or DN15 to DN150
Refer to catalog for Class avail.

Port
R Reduced
F Full

Class
15 Class 150 lbs
60 Class 600 lbs
D40 PN 40
30 Class 300 lbs
D16 PN 16

Flow
2 2-Way
3 3-Way

End Connection
F Flanged Raised Face
SE Screwed
X Screwed x Socket Weld
S Special
FF Flanged Flat Face
SW Socket Weld
BW Butt Weld

Operator
B Bare Stem
EG Enclosed Gear
EGL Enclosed Gear + Locking Device
W Wrench
WL Wrench + Locking Device

Flow Pattern (Leave blank for 2-Way)
FA1, FA2, FA3, FA4, FA5 Refer to catalog for Flow Patterns

Body Material
Refer to Body & Plug Material Table

Plug Material
Refer to Body & Plug Material Table

Cover Bolt Material

1	B7*	2	B7M*
3	B8*	4	B16*
5	B8M Class 1*	6	B8M Class 2*
7	L7	8	L7M
9	B446 Gr.1	10	TC3
11	TC5	11	A20
12	A20 (Teflon Coated)	13	MO 400
14	HC	15	HC (Teflon Coated)
16	Inconel 718	17	Special
18	ISO 898-1, 10.9	19	A2-70
20	A4-80		*According to ASTM A193

Sleeve Material

A	PFA	G	GF2P
P	PTFE	R	RTFE
U	UHMWPE	Z	Hi-Temp Teflon®

Special (A combination of Specials can be used)

CL	Prepared for Chlorine Service
DBB	Double Block & Bleed
FE	Severe Service
HF	HF Alkylation HydroFluoric Acid
HOX	Prepared for Hydrogen Peroxide
ISY	Prepared for Isocyanate Service
OXY	Prepared for Oxygen Service
PHOS	Prepared for Phosgene Service

Options (A combination of Options can be used)

CCV	Cage Control Valve
EZ	EZ-SEAL®
FJ	Full Jacket
FS	Fire Safe
PJ	Partial Jacket
S	Special (Description required)
V6	V-Port 60°
VN	Vented Plug (Specify location and diameter)
U	Upstream
D	Downstream
B	Bottom

Note: HF, FS, CL are vented by default

BODY & PLUG MATERIAL TABLE

CODE	DESCRIPTION	ASTM DESIGNATION	DIN
WCB	Carbon Steel	ASTM A216 Gr. WCB	1.0619
LCB	Carbon St. Low Temp.	ASTM A352 Gr. LCB	1.6220
LCC	Carbon St. Low Temp.	ASTM A352 Gr. LCC	
304	304 Stainless Steel	ASTM A351 Gr. CF8	
304L	304L Stainless Steel	ASTM A351 Gr. CF3	
316	316 Stainless Steel	ASTM A351 Gr. CF8M 1.4408	
316L	316L Stainless Steel	ASTM A351 Gr. CF3M	
317	317 Stainless Steel	ASTM A351 Gr. CG8M	
317L	317L Stainless Steel	ASTM A351 Gr. CG3M	
A20	Alloy 20	ASTM A351 Gr. CN7M	1.4500
904L	904L Stainless Steel	Cast Grade	1.4539
CD4	CD4MCuN	ASTM A995 Gr. 1B	1.4463
HB	HASTELLOY® B*	ASTM A494 Gr. N7M	2.4882
HB2	HASTELLOY® B 2*	ASTM A494 Gr. N12MV	
HC	HASTELLOY® C*	ASTM A494 Gr. CW6M	2.4883
HC2	HASTELLOY® C 276*	ASTM A494 Gr. CW12MW	
I600	INCONEL®**	ASTM A494 Gr. CY40	
NI	Nickel	ASTM A494 Gr. CZ-100	2.4816
MO	MONEL®	ASTM A494 Gr. M35-1	2.4365
TC2	Titanium (Comm. Pure)*	ASTM B367 Gr. C2	
TC3	Titanium*	ASTM B367 Gr. C3	3.7031
TC5	Titanium*	ASTM B367 Gr. C5	
ZR2	Zirconium*	ASTM B752 Gr. 702C	
ZR5	Zirconium*	ASTM B752 Gr. 705C	

Other and Special Alloys Available on Request
* Drilled and tapped flange actuation-mounting pads independent of cover and top seal assembly are optional on lever-operated valves (1/2" thru 4") in HASTELLOY®, INCONEL®, Titanium, and Zirconium alloys.