



High Temperature - Ordering Code System

"Mandatory option" options are marked with **green background** | "Standard offer" options are marked with **light green background**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	...	30
2	0				Z	2	8	P	-	6	6	6	M	N	G	-	/	X	5	0			-					
Size		Features				Series		Design		Body material	Ends material	Ball/Seat material	Stem material	Hardening	Seal material	End Connection				Seat design		Special features						

Size (1-2)		
Code	inch	mm
02	¼"	8
03	⅜"	10
05	½"	15
07	¾"	20
10	1"	25
12	1¼"	32
15	1½"	40
20	2"	50
25	2½"	65
30	3"	80
40	4"	100
60	6"	150
80*	8"	200

* std. port only

Features (3-6)	
Z	Metal seats
B	Full Port
N	Control service

Series (7-8)	
28	HP Floating ball 3 piece
Design (9)	
P	-60°C to 400°C (-76°F to 752°F)
W	-60°C to 260°C (-76°F to 500°F) HermetiX stem seal
M	-60°C to 650°C (-76°F to 1200°F) - available with H/J valve materials only

Body & ends material (11-12)	
6	CF8M
F	LF2
H*	321H
J*	F22

* For M design only

Ball/Seat material (13)	
6	St. Steel
7*	Monel
D**	Duplex
K**	Super duplex
N***	St. Steel 410

* Up to 475°C (887°F)

** Up to 315°C (600°F)

*** For O hardening only

Stem material (14)	
M	High Strength S. Steel
Z	Inconel 718

Hardening (15)	
I	Cr3C2- Chromium Carbide with Nickel Chrome binder- HVOF technique
O	WC-Co- Tungsten Carbide with Coblat binder- HVOF technique

Seal Material (16)	
G	Expanded graphite
B	NBR sh. 90
V	Viton Sh. 70
K	FFKM

End connections (19-23)	
Welded Ends	
XBW160*	Extended butt weld ends (sch160)
XSW	Extended socket weld ends
SW	Socket weld ends
BW80	butt weld ends (sch80)
BW160*	butt weld ends (sch160)
XBW80	Extended butt weld ends (sch80)
XBWXS*	Extended butt weld ends (sch XXS)
Threaded Ends	
NPT	ASME B1.20.1 - National Pipe Taper thread
BSPT	EN 10226 - Pipe Taper thread
BSPP	ISO228-1, DIN3852 - Pipe Parallel thread
DIN3852	DIN3852 - Pipe Parallel thread
AS5202	AS 5202 on-face gasket sealing threaded connection
Flanged	
1500	ANSI B16.5 #1500 RF
2500	ANSI B16.5 #2500 RF
PN160-F3	EN1092 PN160, FTF F3
PN250-F3	EN1092 PN250, FTF F3
PN320-F3	EN1092 PN320, FTF F3
PN400-F3	EN1092 PN400, FTF F3
Flanged RTJ	
1500RTJ	ANSI B16.5 #1500 RTJ
2500RTJ	ANSI B16.5 #2500 RTJ
Flanged SAE J518 / ISO 6162 Threaded	
SAE3000	Code 61/ISO 6162-1 Flat face
SAE6000	Code 62/ISO 6162-2 Flat face

* Std. port only

Seat design (25-26)	
Blank	Type A seat design
TB	Type B seat design
TC	Type C seat design
TD	Type D seat design
Special Features (27-30)	
RTJ	Ring Type Joint
Vxx	Characterized control ball xx = angle