

1. The first 4 digits are base model number and designate valve size

Digits	Valve Size
1001	1/4 in.
1002	1/2 in.
1003	3/4 in.
1004	1 in.
1005	1-1/2 in.
1007	2 in.
1000	Parts
1006	Repairs
1011	1/4 in. Trim
1012	1/2 in. Trim
1013	3/4 in. Trim
1014	1 in. Trim
1015	1-1/2 in. Trim
1016	"P" Trim
1017	Topworks

2. The next 2 digits designate body type

Digits	Body Type
GC	Globe Cast
GB	Globe Barstock
AB	Angle Barstock
AH	Angle High Pressure Union
GH	Globe High Pressure Union
TC	Three-Way Cast
TB	Three-Way Barstock
GS	Globe Sanitary
AS	Angle Sanitary
GE	Globe, Extended (CBX, Hastelloy C bellow)
GU	Globe Cast High Pressure Union

3. The next digit designates body end fitting

Digit	Body End Fitting
N	NPT
F	Flanged (size, rating or face finish not specified)
S	Socket Weld (size not specified)
B	Butt Weld (extension nipples) (size not specified)
T	Tube Fittings (for example, Swagelok, AE)
W	Wafer (clamp between flanges)
Y	Clamp Type (sanitary)
U	Union Type (sanitary)

4. The next 2 digits designate the body-bonnet material

Digits	Body-Bonnet Material
16	DIN 1.4462/Duplex 2205
17	DIN 1.4571/1.4581
36	316 S/S
3L	316L S/S
34	304 S/S
37	347 S/S
BR	Brass or Bronze
CS	Carbon Steel
MN	Monel
C2	Carpenter 20 (Alloy 20)
HB	Hastelloy B (Alloy B)
HC	Hastelloy C (Alloy C)
H2	Hastelloy C-22
HG	Hastelloy G
IN	Inconel
TI	Titanium
TA	Tantalum
NI	Nickel
KY	Kynar
PC	PVC
ZR	Zirconium

5. The next 2 digits designate bonnet style and packing

Digits	Bonnet Style	Packing
SV	Standard	Cv Ring
SK	Standard	Kalrez Cv Rings
SG	Standard	Grafoil
SR	Standard	Reversed Cv Ring
CV	Cooling Fin	Cv Ring
CG	Cooling Fin	Grafoil
CK	Cooling Fin	Kalrez Cv Rings
CM	Cooling Fin, Medium Guided (Packing not specified, assumes PTFE)	
BV	Bellows	Cv Ring
BG	Bellows	Grafoil
EG	Extension Neck	Grafoil
EV	Extension Neck	Cv Ring
HV	Heavy Duty Guide	Cv Ring
HG	Heavy Duty Guide	Grafoil
KV	H.D. Guided Cooling Fin	Cv Ring
KG	H.D. Guided Cooling Fin	Grafoil
MV	Medium Guided Trim w/	Cv Ring
DV	Double Cv Rings (PTFE)	Cv Ring
DK	Double Cv Rings (Kalrez)	Cv Ring
MU	Manual, Union	Disk

Sanitary Bonnets

YO	Clamp Type with O-Ring
UO	Union Type with O-Ring
YD	Clamp Type with Double O-Rings
UD	Union Type with Double O-Rings
YP	Clamp Type with Purge Port and Double O-Rings
UP	Union Type with Purge Port and Double O-Rings
YR	Sanitary Clamp Type with Rolling Diaphragm
UR	Sanitary Union Type with Rolling Diaphragm

6. The next 2 digits designate actuator type

Digits	Actuator Type
OS	ATO Standard
CS	ATC Standard
OP	ATO-P with Positioner
CP	ATC-P with Positioner
OB	ATO with Buyout Positioner
CB	ATC with Buyout Positioner
OR	ATO Reversible
CR	ATC Reversible
O3	ATO S/S Topworks
C3	ATC S/S Topworks
OO	Less Topworks
MN	Manual
OE	EVA-1 Signal-to-Open
CE	EVA-1 Signal-to-Close
O9	EVA-100/200 Signal-to-Open
C9	EVA-100/200 Signal-to-Close
OH	ATO With Handwheel
CH	ATC With Handwheel
OT	ATO Size 35 (1.125 in. mounting) w/o positioner
CT	ATC Size 35 (1.125 in. mounting) w/o positioner
OW	ATO Size 35 (1.125 in. mounting) with positioner
CW	ATC Size 35 (1.125 in. mounting) with positioner
Oz	ATO Size 35 (1.0 in. mounting) with positioner [For BA-2500, BA-2030, etc.]
CZ	ATC Size 35 (1.0 in. mounting) with positioner [For BA-2500, BA-2030, etc.]

7. Next 3 digits designate trim size & characteristic—*examples only*

NOTE: The following are just examples of how the innervalve model number is constructed. A complete list of all the innervalves would be too large to list.

Digits	Trim Size and Characteristics
ALN	"A" Linear
BEP	"B" =%
CLN	"C" Linear
DEP	"D" =%
60L	6.0 Linear
50P	5.0 =%
P01	"P-1"
ELN	"E" Linear
FEP	"F" =%
GLN	"G" Linear
HEO	"H" =%
45L	4.5 Linear
35P	3.5 =%
P15	"P-15"
AQO	"A" Quick Open, metal-to metal
AQS	"A" Quick Open, soft seat
ALS	"A" Linear, soft seat
000	Less Trim
APS	"A" =%, soft seat

8. The next 2 digits designate trim material (normally same as body material)

NOTE: "X" in any space denotes "Special"

Digits	Trim Material
16	DIN 1.4462/Duplex 2205
17	DIN 1.4571
36	316 S/S
3L	316L S/S
ST	Stellite (with 316 base material)
S6	Stellite, 416 S/S
HB	Hastelloy B (Alloy B)
HC	Hastelloy C (Alloy C)
H2	Hastelloy C-22
HG	Hastelloy G
3T	316 S/S, Teflon
3K	316 S/S, Kel-F
TC	Tungsten Carbide
S3	Stellite, 316 S/S
S2	Stellite, Carp. 20
SB	Stellite, Hastelloy B (Alloy B)
SC	Stellite, Hastelloy C (Alloy C)
TA	Tantalum
TI	Titanium
KY	Kynar
PC	PVC
NI	Nickel
MN	Monel
37	347 S/S
S4	Stellite & 304
C2	Carpenter 20 (Alloy 20)
TS	Titanium Nitride-Coated Stellite
SP	Stellite & Phosphor Bronze (P Trim)
ZR	Zirconium

Example: 1002-GC-N-36-SV-OS-ALN-36

1002	1/2 in. Valve
GC	Globe Cast
N	NPT
36	316 S/S
SV	Standard Bonnet, Cv Ring Packing
OS	ATO Standard
ALN	"A" Linear
36	316 S/S