

Invensys Flow Control

V-Flow Control Valves Identification chart

FIELD F Types of End

FIELD A Size

NOMINAL PIPE BORE SIZE		DIGITS	
inches	Mm	1	2
¼	8	0	2
3/8"	10	0	3
½"	15	0	5
¾"	20	0	7
1"	25	1	0
1¼"	32	1	2
1½"	40	1	5
2"	50	2	0
2½"	65	2	5
3"	80	3	0
4"	100	4	0
6"	150	6	0

*ROUND PORT ONLY

FIELD C Series

DIGITS 6 7	DESCRIPTION
13	13 Series
14	14 Series
44	44 Series
49	49 Series
50	50 Series
51	51 Series
52	52 Series
53	53 Series
54	54 Series

FIELD E2 Digit 14 Seal Material

DIGIT 14	MATERIAL
G	Graphite coated metal gasket
M	PTFE coated metal gasket
T	Virgin PTFE
Z	Flexible graphite

FIELD E3 Upstream Seat Material & Configuration

DIGIT 15	MATERIAL	DIGIT 16 17	CONFIGURATION
N	Alpha	00	Round Port
G	Gamma	15	15° Angle
Z	Monel	30	30° Angle
C	Hastelloy	45	45° Angle
		60	60° Angle
		90	90° Angle
		A2	120° Angle
16		1/16" Slot	
32		1/32" Slot	
94		1/64" Slot	

FIELD E1 Digit 13 Downstream Seat Material

DIGIT 13	MATERIAL
P	Fluorofill
N	Alpha Round Port
G	Gamma Round Port

DIGIT 18,19,20	CONNECTION TYPE
SEN	Screwed - NPT
SET	Screwed — BSPT
SEP	Screwed — BSPP
SWA	Socket Weld Schedule 40
SWC	Socket Weld Schedule 80
OD	Socket Weld IMP. OD
BOD	Butt Weld OD
BW5	Butt Weld Schedule 5
BWE	Butt Weld Schedule 10
BWA	Butt Weld Schedule 40
BWC	Butt Weld Schedule 80
150	BS1560/ANSI B16.5 Class 150
S15	As above, Smooth Face
300	BS1560/ANSI B16.5 Class 300
530	As above, Smooth Face
151	Wafer Valve for Class 150
301	Water Valve for Class 300
D16	DIN 2542/BS4504 PN16
D40	DIN 2542/BS4504 PN40
116	BS4504
140	BS4504
*	Others Available

NB
If the code in Fields F & E3 are the same, the valve has resilient seats, in both upstream and downstream positions. It is assumed that in all cases the valve end connectors are the same. If not, there will be a special reference in Field G.

A		B			C		D					E1	E2	E3			F			G				H
SIZE		STANDARD VARIANT			SERIES		I BODY END BALL STEM					DOWNSTREAM SEAT	BODY SEAL	UPSTREAM SEAT			END CONNECTORS			SPECIAL				REVISION
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

FIELD B Standard Variant

DIGITS 2,4,5	VARIANT DESCRIPTION
V	Standard V Flow
DV	Three-way / diverter V-Flow
EV	Enviro-Safe V Flow
VF	Three piece firesafe V-Flow
EVF	Enviro-Safe, firesafe V-Flow

FIELD D Major Component Materials

Each of the 4 major components has its material recorded by putting a number into the 'D' field.

DIGIT 9 & 10	MATERIAL
1	Brass
4	Carbon Steel
6	Stainless Steel
H	Nickel Aluminum Bronze
M	Special Material

DIGIT 11	MATERIAL
H	Nickel Aluminium Bronze
Q	Martensitic Stainless Steel
S	Case Hardened Stainless Steel
U	ENP Stainless Steel
W	Hastelloy

DIGIT 12	MATERIAL
M	High Tensile Stainless Steel

FIELD G Special Features

DIGITS 21, 22, 23, 24	
The first digit will contain a C, N, P, Q or an M	
N/P/Q	Special Valve

FIELD H Revision

DIGIT 25
This letter denotes the revision of the bill of material for the product.