

V42 SERIES METAL DIAPHRAGM VALVE MASTER CHART

		* FILL IN PR	OPER DESIGNATIO	NS TO DETERMINE	PRODUCT NUMBE	R: <u>V 4 2</u>	-:	:			
B = 3/4" C = 1" (2 D = 1-1/ E = 1-1/	/4" (32mm) /2" (40mm)	G = 2" (50mm - V426 H = 2-1/2" (63mm) J = 3" (75 or 80mm) K = 4" (100mm) L = 6" (150mm))	BODY S 1 = 1" 4 = 1-1, 5 = 2" 6 = 2-1,	9 = 6"						
0 = Fem 1 = Fem	nale N.P.T. nale B.S.P.T. (Taper	red) 4 = Flar	ailable on Brass valv iged, A.S.T.M. iged, I.S.O. (Not vali	ves) 5 = Grooved Per ANd on V429 valves)	NSI/AWWA C606 (see	note 3)					
	t Iron - RED primer	std [opt 1 not availab D = Cas	t Iron - painted BLUI								
00 = NC)), LS, SAO	30 = NC	;	<u> </u>					
02 = NC	01 = NO, SAO 02 = NO, SAC 10 = NO, LS), PI, SAO	32 = NC, SAC 40 = NC, LS SX = Special Valve **							
SEAL MA	TERIALS (0 std) (C	Option 5 <u>not</u> valid for N	IC valves or solenoic	d EO or EC valves)		_	1				
OPT.	OPERATING DIAPHRAGM	SEALING DISK	DYNAMIC SEALS	STATIC SEALS	KIT SERIES	Max Temp					
0	Buna-N	Buna-N	Buna-N	Buna-N	RA	150° (65°C)					
1	Buna-N	EP	EP	EP	RAE	200° (93°C)					
2	Fluoroelast.	Fluoroelast. EP	Fluoroelast. EP	Fluoroelast. EP	RAV RAEFV	250° (121°C) 200° (93°C)					
5	Fluoroelast. Buna-N	Fluoroelast.	Fluoroelast.	Fluoroelast.	RAVFB	200° (93°C)					
7	Buna-N	Hycar	Buna-N	Buna-N	RAJH	150° (65°C)					
INTERNA	L PARTS_					<u> </u>	_				
0 = Bras	ss and Stainless Ste	el				_					
DRILL & 1	TAP BOSSES (0 sto	d [1/4" NPT std for al	sizes]) (See notes 1	& 2)		٦					
0 = None 4 = Boss #4 8 = Bosses #2,4											
1 = Bo			sses #1,2,3,4	A = Bo	sses #2,3						
2 = Bo 3 = Bo			sses #1,2 sses #1,3								
			,								
		ONS (0 std) (Options :			C valves)						
0 = Nc			See valve options #		D 0 D	, I					
1 500	Solenoid Options ergize to Open (EO)		loat Options O Float	Closed If Close High Pilot Pi							
	ergize to Open (EO)		0 Float	High Pilot Pi		1					
	ependent Pressure		11 Float	Low Pilot Pi							
	4 = EO w/ Dry Drain		12 Float	Low Pilot Pi		1 1					
5 = EC	w/ Dry Drain		0B Brine Float	High Pilot Pi							
X = Replacement Valve Only (Includes Shaft Spacer)											
SOLENOI 0 = No	D or FLOAT FEAT	URES (0 std)				٦					
0 = 140	Solenoid Option F	eatures		Floa	t Option Features	1 I					
1 = 115V/60 HZ, NEMA 1 0 = 36" Brass Float Rod											
2 = 220V/50 HZ, NEMA 1 N = 54" Brass Float Rod											
	//60 HZ, NEMA 1			X = Les	ss Float & Rod] [
A = 24\	VDC										

- * To create a valve number replace each "_" with the proper number or letter for the feature you desire. For example, a 3/4" NPT Cast Iron Valve Model V421 with Normally Closed and Spring Assist Closed Options is designated as a V42B-0032-00000.
- ** A special valve will have a custom drawing number (_____) and the item number format is (V42?-??SX-____)

where the last 5 numbers (Far Right) are the last five digits of the drawing number.

Valve Option Notes:

- 1. Bosses #1, 2, 3, &4, are always drilled and tapped on V429 and does not need to be specified in part no.
- ${\bf 2. \, Bosses \, needing \, to \, be \, drilled \, and \, tapped \, for \, solenoid \, or \, floats \, do \, not \, need \, to \, be \, specified \, in \, part \, no.}$
- 3. Grooved End option only available on 2" 425 & 3' 427 Cast Iron valves.

REV.	ECO. NO.	DESCRIPTION	BY/DATE
N	1405	REMOVED ASH PAINT OPTION "C"	JJJ
P	1501	Corrected Solenoid Options	JJJ
Q	1778	ADDDED OPTION 5 (END CONNECTORS	MM 11/4/2020
R		TAKE OUT TEXT FOR VALVE OPTION 3-FLOAT OPTION NA	MM 05/19/2021
S	2177	BRANDING UPDATE	JJJ 01/02/2023

44105