



Stellar Industrial Technologies Co. Inc.  
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 Distributors - Manufacturers Representative  
 Industrial Process Equip. - HVAC/R  
 Heat Transfer - Coils/HX

## AQUAMATIC V42 SERIES - CAST IRON DIAPHRAGM VALVES

The V42 series is our traditional cast iron, diaphragm-operated, two-way valve. It was originally designed for use in water pre-treating equipment but is now utilized in many other applications to control the flow of air, water, and other fluids and materials. The body and cap are cast iron. Internal metal parts are brass and stainless steel. Rubber components are Buna-N. Valves are rated to a maximum working pressure of 125 psi (8.5 bar) and maximum temperature of 150°F (65°C). Build-to-order valves range in size from 3/4-inch to 6-inch. Normal cycle life is a minimum of 50,000 cycles. Options available include brass body and cap, fluorocarbon diaphragm and seals, limit stop, position indicator, and more.

### AQUAMATIC V42 SERIES CAST IRON AND BRASS VALVE MODEL NUMBER SELECTION

Pipe Connections	Body & Cap Material	Internal Parts	Float Option (Old Model)	Float Features
0=Female NPT	0=Cast Iron	0=Brass, Stainless Steel (Standard)	0=None (Standard)	L=36 inch PVC Float Rod
1=Female BSP	1=Cast Brass	3=Stainless Steel	A=Powered closed at high level (AM3000)	M=36 inch SS Float Rod
3=Flanged ASTM			B=Powered closed at high level, powered open (AM3010)	N=54 inch Brass Float Rod
4=Flanged Metric (ISO)			C=Powered closed at low level (AM3011)	P=54 inch SS Float Rod
			D=Powered closed at low level, powered open (AM3012)	X=Less Float & Rod
			E=Same as B except with brine float (AM3010B)	
			X=Replacement valve only (including spacer)	

  

Pipe Size (Model)	Valve Options	Seals/Diaphragm/Disk (Kit suffix)	Drill and Tap Bosses	Solenoid Option (Old Model)	Solenoid Features
B=3/4 inch (421)	00=NO (Standard)	0=Buna/Buna/Buna(RA) (Standard)	0=None (Standard)	0=None (Standard)	0= None (Standard)
C=1 inch (421)	01=NO, SAO	1=EP/Buna/EP (RAE)	1=Boss #1	1=EO (AM3500)	NEMA 1
E=1-1/2 inch (424)	02=NO, SAC	2=FKM/FKM /FKM (RAV)	2=Boss #2	2=EC (AM3510)	1=115V/60HZ
F=2 inch (425)	10=NO, LS	4=EP/FKM/EP (RAEFV)	3=Boss #3	3=IP (AM3511)	2=220V/50HZ
G=2 inch (426)	11=NO, LS, SAO	5=FKM/Buna/FKM (RAVFB)	4=Boss #4	4=EO, Dry Drain	3=24V/60HZ
H=2-1/2 inch (426)	21=NO, PI, SAO	7=Buna/Buna/Hycar	5=Bosses #1,2,3,4	5=EC, Dry Drain	A=24VDC
J=3 inch (427)	30=NC		6=Bosses #1,2		B=12VDC
K=4 inch (428)	32=NC, SAC		7=Bosses #1,3		NEMA 4,7,9
L=6 inch (429)	40=NC, LS		8=Bosses #2,4		4=115V/60HZ
			A=Bosses #2,3		5=220V/50HZ
					6=24V/60HZ
					C=24VDC

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