

## Manual Air Valve Numbering System










<b>Ordering Part No.</b>	<b>4H</b>	<b>230C</b>		<b>S</b>	
	=	=	=	=	
	Model	# Way & # Position	PORT SIZE (NPT)	Options	
Manual Air Valves	<b>MOV</b>	3 Way 2 Position	Blank = 1/8	Blank = Plunger (Non-Detented), E = Palm Button (Detented), PPL = Push Button (Non-Detented), R = Roller Lever (Non-Detented), TB = Knob Switch (Detented),  M = DETENTED S = NON-DETENTED (Spring Return)	
Manual Air Valves	<b>MSV</b>	96322 = 3 Way 2 Position 86522 = 4 Way 2 Position	Blank = 1/4		
Hand Lever Valves	<b>TSV</b>				
Hand Lever Valves	<b>4H</b>	230C = 4 Way 3 Position (Closed Center) 230E = 4 Way 3 Position (Exhaust Center) 230P = 4 Way 3 Position (Pressure Center)			
Pull/Push Valves	<b>3R</b>	210 = 3 Way 2 Position			
	<b>4R</b>	210 = 4 Way 2 Position			
Hand Handle Valves	<b>HV</b>	400 = 4 Way 3 Position 410 = 4 Way 2 Position			
Foot Operated Valves	<b>FV</b>	220 = 2 Way 2 Position 320 = 3 Way 2 Position 420 = 4 Way 2 Position			
	<b>4F</b>	210 = 4 Way 2 Position			
					Blank = Non-Detented
				Blank = Non-Detented, L = Detented (with lock), G = Guard	

## Air Valve Specifications

Specifications								
Model	MSV Series	MOV Series	TSV Series	4H Series	3-4R Series	HV Series	4F Series	FV Series
Description	Hand Valves	Hand Valves	Lever Valves	Lever Valves	Pull/Push	Hand Valves	Foot Valves	Foot Valves
Cv	0.89	0.67	1.0	0.89	0.89	1.68		
Operating Pressure	0 to 115 PSI							
Operating Temperature	23 to 140 Deg. F (-5 to 60 Deg. C)							
Action	Direct Acting							
Working Medium	40 micron filtered air or inert gas							
Body Material	Aluminum							
Seal Material	NBR							
Lubrication	Not Required							

Specifications			
Model	ASC Series	QE Series	ST Series
Description	Flow Control Valves	Quick Exhaust Valves	Shuttle Valves
Operating Pressure	0 to 140 PSI		
Operating Temperature	32 to 140 Deg. F (0 to 60 Deg. C)		
Working Medium	40 micron filtered air or inert gas		
Body Material	Aluminum		
Seal Material	NBR		
Lubrication	Not Required		

## Manual Air Valves

1/4" NPT 4 Way 5 Port 2 Position Air Valves								
Model	MSV86522TB	MSV86522EB	MSV86522PB	MSV86522PP	MSV86522R	MSV86522	TSV86522	4R210
Description	Two Position Detented Switch Cv 0.89	Emergency Stop Detented Cv 0.89	Palm Button Momentary Cv 0.89	Push Button Momentary Cv 0.89	Roller Lever Cv 0.89	Pin Plunger Cv 0.89	Lever Detented Cv 1.0	Pull/Push Detented Cv 0.89
1/4" NPT 3 Way 3 Port 2 Position Air Valves								
Model	MSV98322TB	MSV98322EB	MSV98322PB	MSV98322PP	MSV98322R	MSV98322	TSV98322-M	3R210
Description	Two Position Switch Cv 0.89	Emergency Stop Detented Cv 0.89	Palm Button Momentary Cv 0.89	Push Button Momentary Cv 0.89	Roller Lever Momentary Cv 0.89	Pin Plunger Momentary Cv 0.89	Lever Detented Cv 1.0	Pull/Push Detented Cv 0.89
1/8" NPT 3 Way 2 Port 2 Position Air Valves					1/4" NPT Mechanical Air Valves			
Model	MOV-01	MOV-03	MOV-03A	MOV-02	Model	QE	ASC	4R210-S
Description	Two Position Switch Cv 0.67	Emergency Stop Detented Cv 0.67	Push Button Momentary Cv 0.67	Roller Lever Momentary Cv 0.67	Description	Quick Exhaust Valve	In-line Flow Control Valve	4 Way 2 Position Momentary Cv 0.89
1/4" NPT Air Valves								
Model	HV410	HV400	4H230C-S	FV320	FV420	4F210	4F210L	4F210G
Description	2 Position 4 Way Valve Cv 1.68	3 Position 4 Way Valve Closed Center Cv 1.68	3 Position 4 Way Cv 0.89 Closed Center Momentary	3 Way Momentary Foot Valve	4 Way Momentary Foot Valve	4 Way Momentary Foot Valve	4 Way Detented Foot Valve	4 Way Shielded Momentary Foot Valve