



# Series 70 - Manual Valves



Part No. 7010000100U



Part No. 7030000100U



Part No. 7010001700U

Metal Work Series 70 manual valves are rugged and reliable. They are easy to install and operate to control various pneumatic devices.

## Features

- 90-degree or axial hand lever operation
- 3-port (3-way), 2-position, 5-port (4-way), 2-position, and 5-port (4-way), 3-position configurations
- 1/8", 1/4" and 1/2" NPT sizes



See [www.AutomationDirect.com](http://www.AutomationDirect.com) for a wide variety of fitting options

Metal Work Series 70 - 1/8" NPT Port Manual Valves												
Model	7010000100U	7010000200U	7010000300U	7010000400U	7010000500U	7010000600U	7010000700U	7010000900U	7010001000U	7010001100U	7010001400U	7010001700U
Price	\$36.50	\$36.50	\$40.00	\$40.00	\$43.00	\$43.00	\$43.00	\$43.00	\$43.00	\$43.00	\$30.50	\$33.50
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lb)	0.39		0.45					0.55				0.39
Manufacturer Specs	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Valve Type	3-port (3-way), 2-position		5-port (4-way), 2-position		5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center pressure	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center pressure	3-port (3-way), 2-position	5-port (4-way), 2-position
Valve Configuration	N.C.	N/A										
Operator	90-deg hand lever										Axial hand lever	
Acting	Spring return	Detented	Spring return	Detented				Spring return			Detented	
Inlet Port Size	1/8" FNPT											
Outlet Port Size	1/8" FNPT											
Flow (Cv)	0.55											
Media	Filtered air without lubrication; lubrication, if used, must be continuous											
Pressure Range	Vacuum to 145 psi											
Temperature	14°F to 140°F (-10°C to 60°C)											
Lubrication	ISO and UNI FD 22											
Life Cycle	1 million cycles											

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



# Series 70 - Manual Valves

Metal Work Series 70 - 1/4" NPT Port Manual Valves												
Model	<a href="#">7020000100U</a>	<a href="#">7020000200U</a>	<a href="#">7020000300U</a>	<a href="#">7020000400U</a>	<a href="#">7020000500U</a>	<a href="#">7020000600U</a>	<a href="#">7020000700U</a>	<a href="#">7020000900U</a>	<a href="#">7020001000U</a>	<a href="#">7020001100U</a>	<a href="#">7020001400U</a>	<a href="#">7020001700U</a>
Price	\$62.00	\$62.00	\$67.00	\$67.00	\$70.00	\$70.00	\$70.00	\$70.00	\$70.00	\$70.00	\$37.00	\$42.50
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lb)	0.56		0.66					0.784			0.49	0.59
Manufacturer Specs	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Valve Type	3-port (3-way), 2-position		5-port (4-way), 2-position		5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center pressure	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center pressure	3-port (3-way), 2-position	5-port (4-way), 2-position
Valve Configuration	N.C.	N/A										
Operator	90-deg hand lever											Axial hand lever
Acting	Spring return	Detented	Spring return	Detented				Spring return			Detented	
Inlet Port Size	1/4" FNPT											
Outlet Port Size	1/4" FNPT											
Flow (Cv)	1.1											
Media	Filtered air without lubrication; lubrication, if used, must be continuous											
Pressure Range	Vacuum to 145 psi											
Temperature	14°F to 140°F (-10°C to 60°C)											
Lubrication	ISO and UNI FD 22											
Life Cycle	1 million cycles											

Metal Work Series 70 - 1/2" NPT Port Manual Valves										
Model	<a href="#">7030000100U</a>	<a href="#">7030000200U</a>	<a href="#">7030000300U</a>	<a href="#">7030000400U</a>	<a href="#">7030000500U</a>	<a href="#">7030000600U</a>	<a href="#">7030000700U</a>	<a href="#">7030000900U</a>	<a href="#">7030001000U</a>	<a href="#">7030001100U</a>
Price	\$131.00	\$131.00	\$148.00	\$148.00	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lb)	3.24	3.2	3.62	3.59			3.56	3.98		
Manufacturer Specs	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Valve Type	3-port (3-way), 2-position		5-port (4-way), 2-position		5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center pressure	5-port (4-way), 3-position, center exhaust	5-port (4-way), 3-position, center closed	5-port (4-way), 3-position, center pressure
Valve Configuration	N.C.	N/A								
Operator	90-deg hand lever									
Acting	Spring return	Detented	Spring return	Detented				Spring return		
Inlet Port Size	1/2" FNPT									
Outlet Port Size	1/2" FNPT									
Flow (Cv)	4.6									
Media	Filtered air without lubrication; lubrication, if used, must be continuous									
Pressure Range	Vacuum to 145 psi									
Temperature	14°F to 140°F (-10°C to 60°C)									
Lubrication	ISO and UNI FD 22									
Life Cycle	1 million cycles									

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



# Series 70 - Knob-Actuated Valves



Part No. 7010001300U

Metal Work Series 70 knob-actuated valves are an excellent choice for non-electric applications.

## Features

- Easy push-pull knob operation
- 3-port (3-way), 2-position and 5-port (4-way), 2-position configurations
- 1/8" NPT port sizes



See [www.AutomationDirect.com](http://www.AutomationDirect.com) for a wide variety of fitting options

Metal Work Series 70 - Knob-Actuated Valves				
Model	<a href="#">7010001200U</a>	<a href="#">7010001300U</a>	<a href="#">7010001500U</a>	<a href="#">7010001600U</a>
Price	\$25.50	\$28.00	\$29.00	\$32.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lb)	0.32		0.38	
Manufacturer Specs	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Valve Type	3-port (3-way), 2-position		5-port (4-way), 2-position	
Valve Configuration	N.C.	N/A		
Operator	Knob			
Acting	Spring return	Detented	Spring return	Detented
Inlet Port Size	1/8" FNPT			
Outlet Port Size	1/8" FNPT			
Flow (Cv)	0.55			
Media	Filtered air without lubrication; lubrication, if used, must be continuous			
Pressure Range	Vacuum to 145 psi			
Temperature	14°F to 140°F (-10°C to 60°C)			
Lubrication	ISO and UNI FD 22			
Life Cycle	1 million cycles			

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



# Series 70 - Valve Components

Metal Work Series 70 valves is one of the most popular lines of valves produced in Italy by Metal Work. They feature heavy duty construction and many options to choose from.

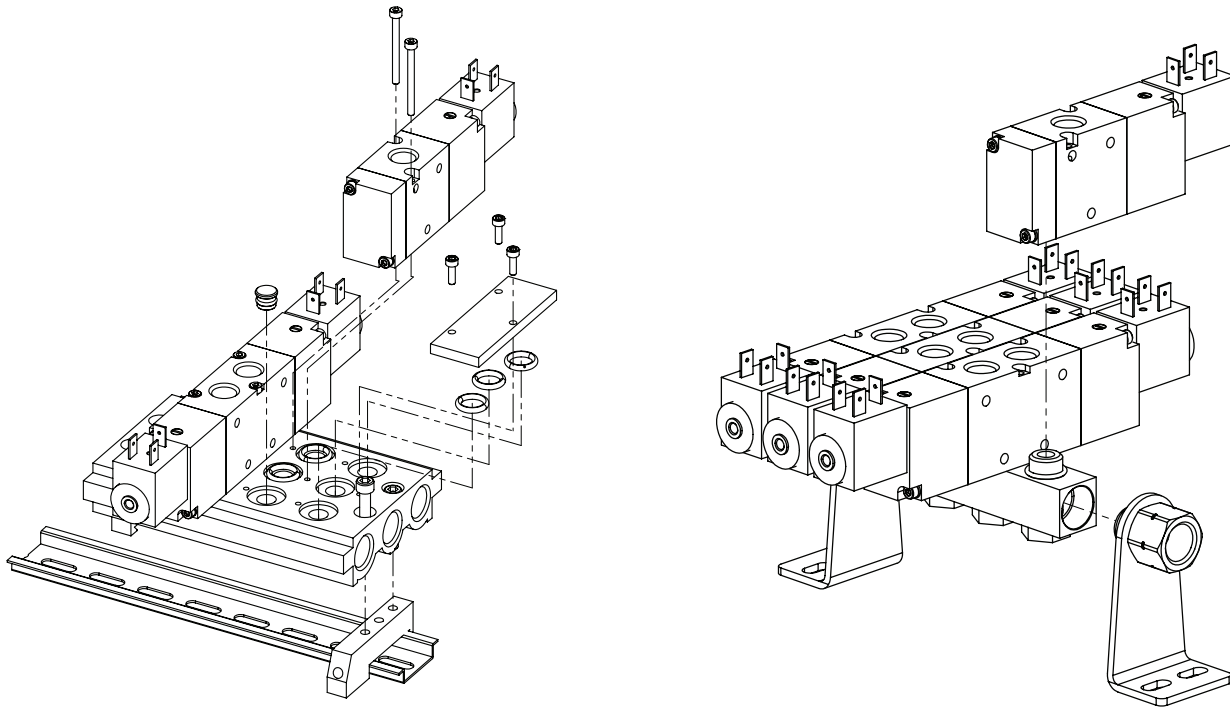
## Features

- Most styles available in four sizes
- 3-port (3-way) and 5-port (4-way) body-ported valves
- 2-position and 3-position operation
- Manual, mechanically operated, air pilot and solenoid valves



Scan or click the above QR code for the Metal Work Series 70 Instructions Insert

## Valve Base Assembly Examples



- A. VALVE BODY: Aluminum
- B. CONTROL/END CAP: Plastic
- C. SPOOL: chemically Nickel-plated aluminum
- D. SPOOL GUIDES: Plastic
- E. GASKETS: NBR
- F. PISTONS: Hostaform®
- G. PISTON GASKET: NBR
- H. FILTER: Sintered bronze
- I. SPRINGS: Spring steel
- J. OPERATOR: Brass pipe - Stainless steel core

