

CO₂ PNEUMATIC RELEASE ACTUATOR

The pneumatic actuator has a piston and it connected to a pin at the top of pressure differential head valve. When pilot pressure is applied to the piston pressure press the pin pushing the head valve diaphragm, thereby causing cylinder head valve to open.

MATERIAL	
Valve Body	Brass
Inlet Connection	M42 X 1.5
Pneumatic Connection	G 1/8"

OPERATING PARAMETER	
Working Pressure	
20 Bar for 300 Bar System	Pmax = 340 Bar
15 bar for CO ₂ and 200 Bar System	Pmax = 250 Bar
10 Bar for System	Pmax = 150 Bar



CO₂ FLEXIBLE DISCHARGE HOSE



The flexible discharge hoses are made to convey the CO₂ gas from the cylinder head valves to the main manifold for gas distribution to nozzle piping network. The Discharge Hoses are equipped with an internal check valves to prevent the back flow of CO₂ gas from the manifold to other cylinders.

MATERIAL	
Hose	Rubber
Coupling	Steel S 300 Cadmied

PRESSURE RATING	
Service Pressure	240 Bar
Test Pressure	400 Bar
Bursting Pressure	960 Bar

DIMENSION	
Connection	21.7 x 1.814
Diameter Nominal	10 mm

CO₂ FLEXIBLE PILOT HOSE



The pilot flexible hose is used to interconnect the ports of the pressure actuators. The CO₂ gas pressure applied on the pressure actuators open the cylinder valve simultaneously.

MATERIAL	
Hose	Rubber
Coupling	Steel S 300 Cadmied
Connection	1/8" BSP

PRESSURE RATING	
Service Pressure	240 Bar
Test Pressure	400 Bar
Bursting Pressure	960 Bar