

Moore Products Pressure Regulators

- "H₂O, PSIG Ranges
- Excellent Sensitivity and Precision

Use these regulators in industrial or shop applications where precise control of air pressure is required. They deliver extremely accurate output pressure, even with widely fluctuating supply pressure or flow rate. Available for 1/8", 1/4", or 1/2" NPT connections, they can be in-line or flush-panel mounted.

A number of factory-installed options increase their versatility. These include a provision for supplementary air loading, tapped exhaust, isothermal range spring, and a safety release valve (options not available on all models or ranges). We also stock a wide selection of compatible pressure gauges. Call us for details on options and accessories.



Specifications

Series 40, 41, and 42 Regulators			
Resolution Adjustment:	Better than 0.03% of regulated output		
Supply Pressure:	5 PSIG min above regulated output		
Supply Pressure Effect:	Nominal ratio of change in regulated pressure for a change in supply: Series 40 and 42: 1:150; Series 41: 1:100		
Ambient Temp Limits:	-40–180°F/-40–82.2°C		
Knob Adjustment (one revolution):	Series 40 and 42: nominal 10%; Series 41: nominal 15%		
Exhaust Flow Rate:	At 25 PSIG setting, a pressure rise of 0.25 PSIG will result from a flow of: 1.5 SCFM, Series 40; 2.4 SCFM, Series 41; 1.7 SCFM, Series 42		
Materials of Construction:	Brass, stainless steel, neoprene, aluminum, zinc		
Dimensions:	Body Hgt	Body Dia	Handle/Stem Hgt
Series 40:	5 5/8" for 200	3 3/8"	21 1/8" max
Series 41:	3 3/8"	2 1/4"	1 3/8"
Series 42:	7 1/8"	5"	21 1/8" max

Ordering Information

	Regulated Pressure Range	Supply Min.	Pressure Max.	Price
Series 40:	1/4" NPT Connections			
MP40-2† xx†	1–50 "H ₂ O	10	25	
MP40-7† ‡	6–200 "H ₂ O	50	100	
MP40-15† ‡	0.5–15 PSIG	75	150	
MP40-30† ‡	1–30 PSIG	120	150	
MP40-50† ‡	1–50 PSIG	120	150	
MP40H50*† ‡	1–50 PSIG	120	150	
MP40-100	1.5–100 PSIG	150	500	
MP40H100*	1.5–100 PSIG	150	500	
MP40-200	3–200 PSIG	250	500	
MP40-300	7–300 PSIG	350	500	
MP40-450	15–450 PSIG	500	500	
Series 41:	1/8" NPT Connections			
MP41-15	0.5–15 PSIG	75	150	
MP41-30	1–30 PSIG	120	150	
MP41-50	1–50 PSIG	120	150	
MP41-100	1.5–100 PSIG	150	250	
MP41-2550	25–50 PSIG	120	150	
Series 42:	1/2" NPT Connections			
MP42-15† ‡	0.5–15 PSIG	75	150	
MP42-30† ‡	1–30 PSIG	120	150	
MP42H30*† ‡	1–30 PSIG	120	150	
MP42-50†	1–50 PSIG	120	150	
MP42H50*† ‡	1–50 PSIG	120	150	
MP42-100	1.5–100 PSIG	150	500	
MP42H100*	1.5–100 PSIG	150	500	
MP42-200	3–200 PSIG	250	500	

Includes safety release valve as standard. Can be deleted to improve drift characteristics. Call Transcat for details.
 † Add an X to these units to order without the safety release valve. (Example: 40-15X)
 * High flow capacity. xx Not available with air loading.



Pressure Gauges

can be found on pages D13-D31



Pumps, tubings and fittings

can be found on pages
A92-A99

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Pressure/Flow Test Instruments