



7069



7071, 7074

FEATURES

- Prevents over pressure or pressure spikes at the pump inlet.
- Convenient, compact inline installation.
- Saves pressure energy.
- Tamper-proof design protects pump from neglect or improper system conditions.
- Reduces inlet water pressures of 40-200 PSI to pump inlet pressures of 30-60 PSI.

SELECTION: This pressure reducing valve is designed for system capacity UP TO 10 GPM and inlet pressures between 40 and 200 PSI. Do not exceed the rated capacity for this valve. Select the valve closest to the line pressure and system flow from the Inlet Pressure Regulation chart.

The preset feature of this valve offers a safeguard against improper pressure setting, neglecting to initially

Inlet Pressure Regulator

Models **7069**
7071, 7074

SPECIFICATIONS

	U.S. Measure	Metric Measure
MODEL 7069		
Pressure Range to Pump.....	30-45 PSI	(2.1 to 3.1 BAR)
Discharge Port.....	3/4" MGH	(3/4" MGH)
Dimensions	1.5 x 3.19"	(38 x 81 mm)
Not suitable for 10 GPM unless 200 PSI Inlet Pressure		

MODEL 7071		
Pressure Range to Pump.....	30-45 PSI	(2.1 to 3.1 BAR)
Discharge Port	3/4" FGH	(3/4" FGH)
Discharge Port w/Adapter	1/2" NPTF	(1/2" NPTF)
Dimensions	1.5 x 3.19"	(38 x 81 mm)
Dimensions w/Adapter	1.5 x 3.27"	(38 x 83 mm)
Not suitable for 10 GPM unless 200 PSI Inlet Pressure		

MODEL 7074		
Pressure Range to Pump.....	40-60 PSI	(2.8 to 4.0 BAR)
Discharge Port	3/4" FGH	(3/4" FGH)
Discharge Port w/Adapter	1/2" NPTF	(1/2" NPTF)
Dimensions	1.5 x 3.19"	(38 x 81 mm)
Dimensions w/Adapter.....	1.5 x 3.27"	(38 x 83 mm)

COMMON SPECIFICATIONS

Maximum Flow ★.....	10 GPM	(38 L/M)
Pressure Range to Regulator	40-200 PSI	(2.8 to 14 BAR)
Maximum Temperature	190°F	(87°C)
Inlet Port.....	3/4" FGH	(3/4" FGH)
Weight.....	14 oz.	(.43 kg)

★ See Inlet Regulation chart on reverse side

set the valve, or accidentally disturbing the valve setting during installation or servicing. Note the changes in pressure regulation that occur with changes in system flow and water pressure to the regulator.

CAUTION

The Inlet Pressure Regulator will not protect the pump from starvation.

(continued on back)

“Customer confidence is our greatest asset”

PARTS LIST

P/N	MATL	DESCRIPTION	MODEL	QTY
33924	RBR	Gasket - 3/4" GH		1
33923	BB	Adapter - 3/4" FGH to 1/2" NPTF	7074	1
31801	BB	Adapter - 3/4" FGH to 3/4" NPTF	7069	1
31802	BB	Adapter - 3/4" MGH to 3/4" NPTF	7069,7071,7074	1

Material Codes (Not Part of Part Number): BB=Brass RBR=Rubber

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Inlet Pressure Regulation Chart

Pump Inlet Pressure at Selected Water Supply Pressures PSI [BAR]							
System Flow GPM (L/M)	40 [2.8]	60 [4]	80 [5.5]	100 [7]	150 [10]	200 [14]	
3	11.4	30	30	30	35	40	45
5	19	30	30	30	35	40	40
7	27	n/a	30	30	30	35	40
10	38	n/a	n/a	n/a	n/a	n/a	35

* Not suitable for 10 GPM unless 200 PSI Inlet Pressure

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Inlet Pressure Regulation Chart

Pump Inlet Pressure at Selected Water Supply Pressures PSI [BAR]							
System Flow GPM (L/M)	40 [2.8]	60 [4]	80 [5.5]	100 [7]	150 [10]	200 [14]	
3	11.4	40	45	50	50	60	60
5	19	30	45	45	50	55	60
7	27	20	40	45	50	55	55
10	38	n/a	30	45	50	50	50

INSTALLATION: The Inlet Pressure Regulator is designed to be installed in the inlet line close to the pump inlet. Connect standard inlet **flexible hose between pump inlet and Inlet Pressure Regulator** for optimum performance. The Inlet Pressure Regulator will protect the inlet seals of the pump from excessive pressures caused by either an over pressurized inlet line or by-pass pressure spikes. **NOTE:** Install the valve **between the pump inlet and by-pass line connection** when the by-pass is returned to the inlet line.

CAUTION

A non-rigid, flexible By-Pass Hose must be used to prevent excessive pressure spikes being directed through the Inlet Pressure Regulator which may cause the valve to fail, damage to the pump and void the warranty.

OPERATION: When the liquid pressure entering the pump exceeds the Inlet Pressure Regulator setting, a spring activated poppet valve begins to close and restricts part of the flow to the pump, reducing inlet pressure.

TROUBLESHOOTING

The Inlet Pressure Regulator is a maintenance-free valve, however, pumping abrasive liquids, scale build-up or inlet pressures exceeding 200 PSI will cause premature wear or failure. As the Inlet Pressure Regulator wears, a gradual external leaking will occur. Replace the Inlet Pressure Regulator when leaking becomes excessive.

WARRANTY

90 Day Warranty

Refer to complete CAT PUMPS Warranty for further information.

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