



6028



6029, 6030, 6031

## FEATURES

- Nitrogen precharged to eliminate moisture and bladder deterioration.
- Broader bladder design provides greater pulsation reduction for smoother performance and longer system component life.
- Optional 316 Stainless Steel and FPM construction for critical applications.
- New sealed style operates over full range of system pressures without precharge adjustment.

## Prrrrr-O-Lator Pulsation Dampeners

### Sealed Model

# 6028

#### SPECIFICATIONS

	U.S. Measure	Metric Measure
Max. Flow .....	12 GPM	(45 L/M)
Max. Working Pressure .....	600-3000 PSI	(40-210 BAR)
Precharge (Sealed) .....	.450 PSI	(32 BAR)
Max. Operating Temperature.....	+5 to 180°F	(-20 to 82°C)
Volume .....	10 cu. in.	(0.16 L)
Safety Factor .....	4/1	(4/1)
Bladder Construction .....	NBR	(NBR)
Port Size .....	1/2" NPTM	(1/2" NPTM)
Diameter .....	2.93"	(74.5 mm)
Length .....	4.67"	(118.7 mm)
Weight.....	1.81 lbs.	(0.84 kg)

### Stainless Steel Lower Body

# 6029

### Rechargeable Models

# 6030

#### SPECIFICATIONS

	U.S. Measure	Metric Measure
Max. Flow .....	12 GPM	(45 L/M)
Max. Working Pressure .....	100-3000 PSI	(70-210 BAR)
Precharge (Rechargeable) .....	.450 PSI	(32 BAR)
Max. Operating Temperature.....	+5 to 180°F	(-20 to 82°C)
Volume .....	10 cu. in.	(0.16 L)
Safety Factor .....	4/1	(4/1)
Bladder Construction (6029).....	NBR	(NBR)
Bladder Construction (6030).....	FPM	(FPM)
Port Size .....	1/2" NPTM	(1/2" NPTM)
Diameter .....	2.93"	(74.5 mm)
Length .....	5.51"	(140 mm)
Weight.....	2.18 lbs.	(1.02 kg)

- Add .800 to P.N. for change in precharge.

### All Stainless Steel

### Rechargeable Model

# 6031

#### SPECIFICATIONS

	U.S. Measure	Metric Measure
Max. Flow .....	12 GPM	(45 L/M)
Max. Working Pressure .....	2400 PSI	(168 BAR)
Precharge (Rechargeable) .....	.450 PSI	(32 BAR)
Max. Operating Temperature.....	+5 to 180°F	(-20 to 82°C)
Volume .....	10 cu. in.	(0.16 L)
Safety Factor .....	4/1	(4/1)
Bladder Construction .....	NBR	(NBR)
Port Size .....	1/2" NPTM	(1/2" NPTM)
Diameter .....	2.93"	(74.5 mm)
Length .....	5.51"	(140 mm)
Weight.....	2.18 lbs.	(1.02 kg)

- Add .800 to P.N. for change in precharge.

*"Customer confidence is our greatest asset"*

## INSTALLATION INSTRUCTIONS

**SELECTION:** The Prrrrr-O-Lator should be selected to match the flow and pressure requirements of the system and satisfy the fluid compatibility.

**INSTALLATION:** The Prrrrr-O-Lator should be mounted directly onto the pump discharge manifold for optimum pulsation dampening and to avoid system vibration damage.

**OPERATION:** The Prrrrr-O-Lator should be precharged with **dry Nitrogen only**.

### CAUTION

Never use oxygen or air. This could cause an explosion.

The standard Prrrrr-O-Lator is precharged to 450 PSI, however, it may be adjusted to offer a more precise control of pulsation in critical applications such as reverse osmosis.

“Sealed” Prrrrr-O-Lators are preset at 450 PSI and are designed to operate over the full range of system pressures from 600 to 3000 PSI.

At a standard temperature of 70°F, optimum accumulator performance is obtained when the precharge is calibrated at 50% of the system operating pressure.

### NOTE

When operating at the lower temperatures, precharge should be 15% higher or 65% of system pressure. When operating at higher temperatures, precharge should be 15% lower or 35% of system pressure.

This precharge should be checked every 12 months for normal operation and more frequently for continuous-duty operation.

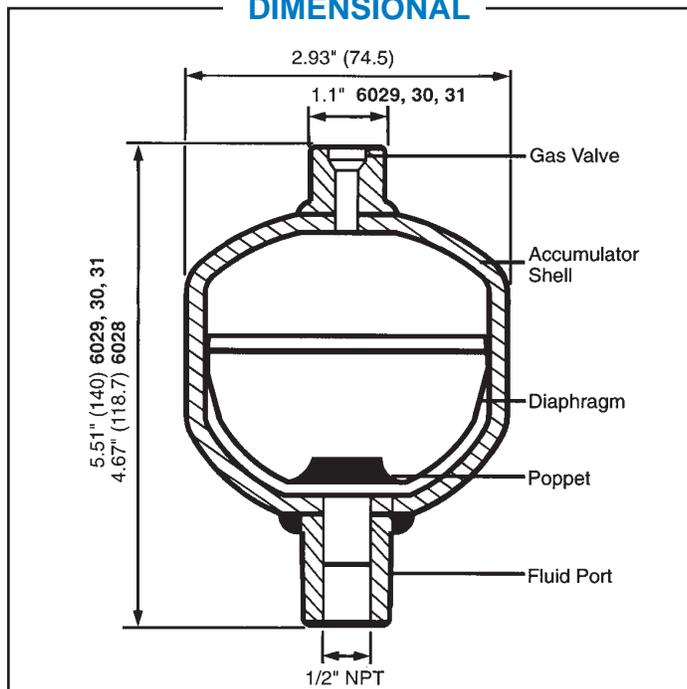
### NOTE

Up to 50 PSI precharge pressure can be lost during the checking of your precharge.

### CAUTION

A gas regulator must be mounted between the nitrogen tank and the hose connection from the Filling and Gauging Assembly to enable you to regulate the precharge and to prevent excessive pressure being transmitted directly to the accumulator. **OVER PRESSURIZATION WILL VOID THE WARRANTY.**

### DIMENSIONAL



## FILLING AND GAUGING INSTRUCTIONS

The following are the steps in both checking the precharge of the accumulator and recharging if there should be a loss of pressure or a need for adjustment.

1. Before checking your precharge, **system pressure should be at zero. TURN SYSTEM OFF.**
2. SLIGHTLY loosen the sealed valve at the top of the accumulator using a 6mm long handled allen wrench. Thread on the Filling and Gauging Assembly hand tight.
3. Be certain the SIDE BLEED VALVE on the gauging assembly is CLOSED.
4. Slowly open the LARGE “T” VALVE at the top of the gauging assembly until completely open. The gauge on the assembly will read the precharge on the accumulator.
5. Completely back off (CLOSE) the valve on the gas regulator, open the nitrogen tank valve and read the nitrogen tank pressure on the first gauge.
6. If the reading on the gauge assembly is 50% of the system pressure, close the top “T” valve and proceed to step 9.
7. If the precharge is too high, keep the top “T” valve open and slowly open the small “T” valve on the side of the gauging assembly to bleed of pressure.
8. If the pressure is less than 50% of the system pressure, slowly

open the gas regulator valve until the desired precharge is reached on the second gauge.

9. When the gauge reads the required precharge, close the “T” valve on the top of the gauging assembly to lock the precharge in the accumulator.
10. Back off (CLOSE) the gas regulator.
11. Proceed with opening the small side “T” valve on the gauging assembly to relieve (bleed-off) pressure in the assembly and on the second gauge on the gas regulator.
12. Close the side “T” valve on the gauging assembly and remove the assembly from the accumulator.
13. Tighten the accumulator sealed valve and resume operation.

- 30940 Complete Filling and Gauging Assembly (Optional)
- 30941 Allen Wrench (Included in Assembly)
- 6099 Pressure Gauge (Included in Assembly)



Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

Jan 1998 1872

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