

Type 749B Changeover Manifold Assemblies



Introduction

Fisher® automatic changeover regulators change from the supply cylinder (when gas is exhausted) to the reserve cylinder automatically.

The Type 749B is a large capacity changeover manifold for commercial and industrial applications. It consists of two 64 Series regulators and a Type 803 direct indicator.

The assembly is used primarily in conjunction with either a Type HSRL or 64SR regulator.

Standard Outlet Setting

Supply: 15 psig (1 bar)
Reserve: 5 psig (0,3 bar)

Body Size

1/2-inch threaded NPT

Maximum Emergency Outlet Pressure⁽¹⁾

For Type 64 Regulators Used:
220 psig (15,2 bar)

For Type HSRL Final Stage Regulator:
3 psig (0,2 bar)

Maximum Inlet Pressure

250 psig (17,2 bar)

Temperature Capabilities

-20° to 160°F (-29° to 71°C)

Additional Technical Data

For more technical information, contact your local LP-Gas Equipment Distributor or log on to:
www.emersonprocess.com/regulators/lp

1. Outlet pressures greater than above setpoints may cause damage to regulator parts, leaks in the regulator, or personal injury due to bursting of pressure-containing parts or explosion of accumulated gas.

Features

- Large Capacity
- UL Listed (Type 749B, Second-Stage Regulators are Listed Separately)

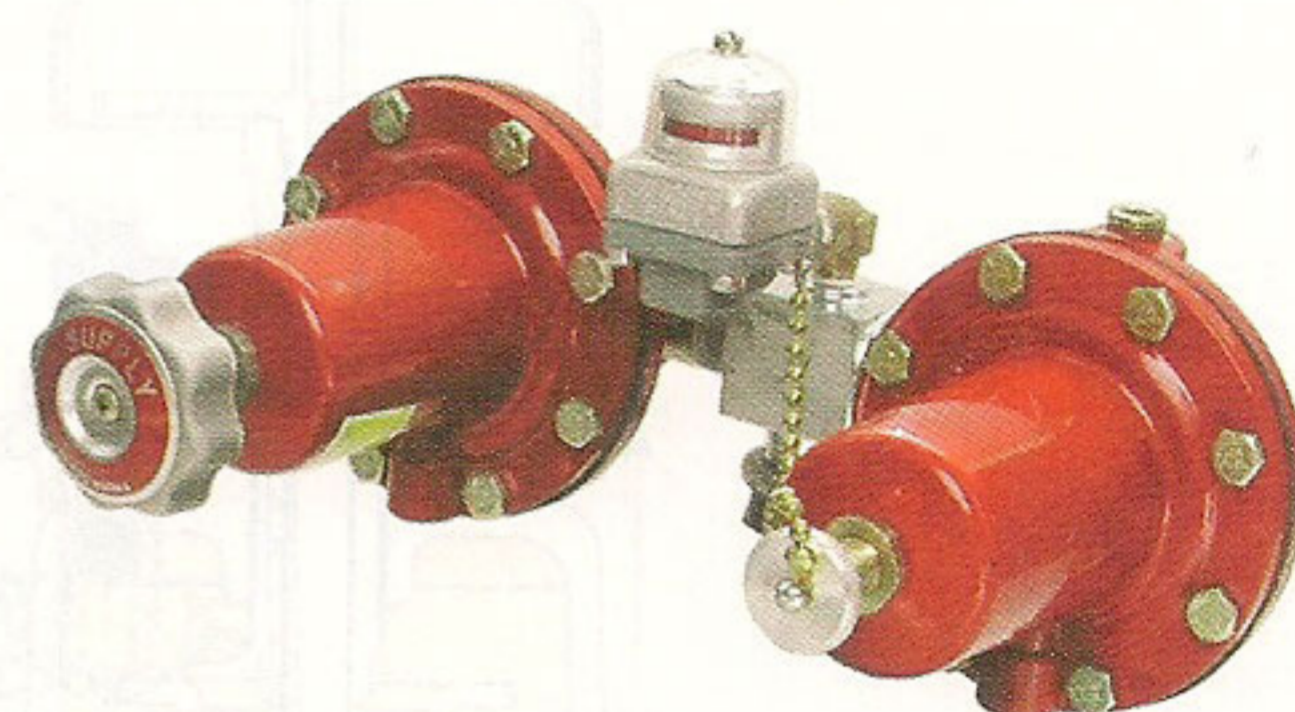


Figure 1. Type 749B

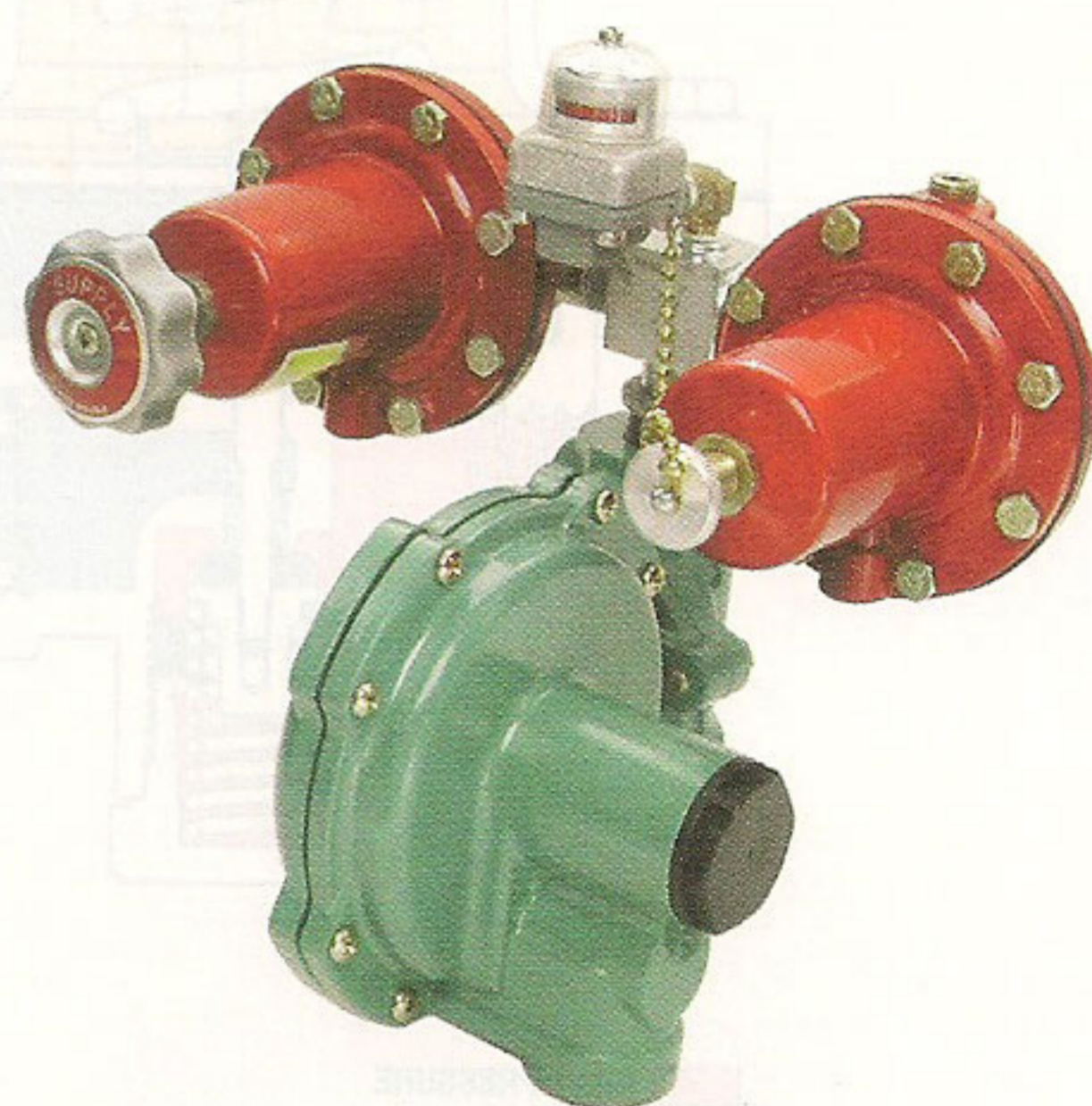


Figure 2. Type HSRL-749B

Table 1. Construction Materials

PART NAME	MATERIAL
Body, Body Plug	Aluminum
Spring	Zinc-plated steel
Diaphragm	Nitrile (NBR) / Nylon
Stem	303 Stainless steel
Bonnet	Aluminum
Cap	Aluminum
Bead Chain, Pipe Elbow	Brass

Table 2. Flow Capacities⁽¹⁾

TYPE NUMBER	CAPACITIES IN PROPANE, BTU/hr (SCMH)
749B	1 500 000 (16,88) ⁽²⁾
HSRL-749B	1 575 000 (17,73)

1. Metric conversion is based on 2516 BTU/ft³ of gas at 60°F (16°C).
2. Based on 100 psig (6,9 bar) inlet, reserve setting.