



TYPE J-31

Rotary Gauges

Fisher™ rotary gauges can be used on stationary or mobile tanks to visually indicate the amount of LPG or Anhydrous Ammonia (NH₃) in the container. They are also used in filling the tank to the proper liquid level. On mobile applications and some large stationary storage tanks, hangers are recommended to support the horizontal length of the dip tube.

The gauge is operated by opening the small bleed orifice when the tube is in the vapor space of the tank. Moving the pointer on the dial causes the end of the tube to move until it contacts liquid in the container. At that point, discharge from the bleed orifice turns from vapor to liquid and the rotary gauge dial gives the volume percentage of liquid in the tank.

Type J-31 – consists of heavy duty gauges that minimize vibration effects (swaying, bouncing) by a long (68 in. / 1.73 m) stem tube extension. Gauges fit 1 in. / 25.4 mm coupling container connections.

All gauges have stem and dip tubes with an extra large inside diameter. This assures that the correct liquid level can be obtained quickly.

A Nylon (PA) packing sleeve and a friction ring for the pointer indicator gives smooth rotation and long service life. Steel and stainless steel materials resist rust or corrosion. Standard product temperature rating is -20 to 160°F / -29 to 71°C.

Rotary Gauges

LENGTH, IN. / mm	LPG DIAL >1200 GALLON	LPG DIAL ≤1200 GALLON	NH ₃ DIAL >1200 GALLON	NO DIAL >1200 GALLON
68 / 1727	Type J31L-1	Type J31S-1	Type J31A-1	Type J31X-1
69 to 92 / 1753 to 2337	Type J31L-2	Type J31S-2	Type J31A-2	Type J31X-2
93 to 108 / 2362 to 2743	Type J31L-3	Type J31S-3	Type J31A-3	----
109 to 140 / 2769 to 3556	Type J31L-3L	Type J31S-3L	Type J31A-3L	Type J31X-3L
Dial Only	Type P323	Type P322	Type P324	----



TYPE J415-1



TYPE J415

Liquid Level Vent Valves

Type J415 – with steel construction, can be used on either LPG or Anhydrous Ammonia (NH₃) service. They can also be installed on large bulk storage tanks at the maximum filling level. Standard valve comes with a 3/4 in. MNPT container connection and two 1/4 in. FNPT side outlets. Standard product temperature rating is -20 to 160°F / -29 to 71°C.

Type J415-1 – features the addition of a Type J402S liquid level vent valve and Type J542 (0 to 400 psig / 0 to 27.6 bar) pressure gauge installed.



TYPE J402S



TYPE J403S



Vent Valves and Fixed Maximum Liquid Level Gauges

Used in all kinds of LPG containers to give positive visual indication of liquid reaching the maximum allowable liquid level. Standard product temperature rating is -20 to 160°F / -29 to 71°C.

Types J402S and J403S do not have dip tubes and must be used in containers where a dip tube has been welded in. Stainless steel constructions are for corrosive service.



TYPES J700, J701 OR J702S

Container Thermometers

Suitable for any size tank in LPG and Anhydrous Ammonia (NH₃) service, the 2 in. / 51 mm diameter dial reads from -40 to 120°F / -40 to 49°C. They are dustproof and waterproof. Specify J700 Series for a 1/2 in. MNPT by a 4 in. / 102 mm length or Type J701 for a 1/2 in. MNPT by 6 in. / 152 mm length. Type J702S is 1/2 in. MNPT with 2 in. / 51 mm dial and 3 in. / 76 mm stem length and range of -80 to 120°F / -60 to 50°C.

All Thermometers are per ASME B40.1 standard.