

LIQUID CHANGEOVER DEVICE (HLX-301)

Automatic Changeover regulators prevent gas outages by switching supply cylinders over to the reserve cylinder automatically when the primary cylinder is near empty. When the primary cylinder is depleted causing the changeover to occur a red indicator will appear signifying the reserve cylinder is now in use and the primary cylinder can be refilled without loss of service.

Reduced the damage from the deterioration by metal abrasion, even though use valve often frequencies.

This regulator equipped convert handle which indicates "serve" and "reserve", and diaphragm operation would help adjusting demand pressure.

This compact designed for especially space limitation, and light weight helps to easier installation.



Specification

Model	HLX-301A
Service	Liquefied Petroleum Gas (LPG : Liquid Condition)
Max. Capacity	300 kg/h
Inlet Pressure Range	(Changeover Pressure + ΔP) -1.56 MPa (15.6 kgf/cm ²)
Setting Changeover Pressure	0.05 ~0.2 MPa (0.5~2.0 kgf/cm ²)
Internal Pressure	3 MPa (30 kgf/cm ²)
Inlet / Outlet Connections	20K-20A Flange
Inlet / Outlet Length	315mm X 170mm
Weight	9.1kg

About inlet pressure ΔP , Please refer to below table

Capacity (Kg/hr)	100 ↓	100~150	150~200	200~250	250 ↑
ΔP (kgf/cm ²)	0.03 MPa (0.3 kgf/cm ²)	0.07 MPa (0.7 kgf/cm ²)	0.11 MPa (1.1kgf/cm ²)	0.14 MPa (1.1kgf/cm ²)	0.18 MPa (1.1kgf/cm ²)

Example) in case of changeover pressure 0.05MPa, Capacity 190kg/h 0.05+0.11=0.16 MPa (changeover Pressure + ΔP)

* Outlet pressure is adjustable by setting the length of adjusting screw. When it's needed, Please refer to the below table.

Setting Interval	21mm	16mm	12mm	7mm
Setting Changeover Pressure	0.05 MPa (0.5 kgf/cm ²)	0.1 MPa (1 kgf/cm ²)	0.15 MPa (1.5kgf/cm ²)	0.2 MPa (2kgf/cm ²)

* Note that this product approved performance from Korea Gas Safety Corporation. The warranty is a year from customer purchased.

Adjusting pressure

1. Automatic changeover device equipped two types of spring which allows accurate and comfortable control the demand pressure.
2. Regulator apply pressure range from 0.5 to 2.0kgf/cm², if require to adjust demand pressure, please check adjusting knob length.
3. To adjust demand control, there is a pressure control screw either turning to clockwise or counterclockwise. Be sure that adjusting knob provides various pressure demands, and suitable pressure has been released.

