

Higher relief capacity and lower maintenance than multi-port relief



FISHER™ Type 63EGLP bulk plant relief valve

Innovative dual pilot-operated technology for overpressure protection of your liquid petroleum (propane, butane, etc.) and natural gas liquids stationary storage tanks.

Advantages of Type 63EGLP to multi-port relief valves

- 40% greater relief capacity
- 33% greater surface area protection reduces number of relief valves/tank
- Compact profile and 60 lbs lighter reduces installation time
- Certified by National Board to comply with ASME Boiler and Pressure Vessel Code Section VIII
- Pilot spring is in atmosphere instead of in product, minimizing chance for harsh chemicals to attack spring under compression



Tank Size (Gal / L)	NUMBER OF VALVES REQUIRED/TANK ⁽¹⁾		
	Fisher Type 63EGLP	RegO® A8574G	MEC™ ME904S-4F
30,000 / 113,562	1	1	1
45,000 / 170,344	1	2	2
60,000 / 227,125	2	2	2
90,000 / 340,687	2	2	2
120,000 / 454,250	2	3	3

1. Recommended values for standard above ground tanks, based on 250 psig set point. Actual relief capacity/surface area must be calculated by user.

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 RegO® is a mark owned by RegO Products.
 MEC™ is a mark owned by Marshall Excelsior Company.

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Reduced maintenance and ease of use

- Dual Pilot technology allows removal of a pilot for testing and setpoint validation while Type 63EGLP continue to protect tank's contents
- Stainless Steel internal valve plug, seat ring and orifice cage offer corrosion resistance for all internal moving parts and sealing components

Lower Installation Cost

- 33% greater surface area protection reduces number of relief valves/tank
- Compact profile and 60 lbs lighter reduces installation time
- Lifting strap included

Better Performance

- 40% greater relief capacity - flows 38,794 scfm air (versus 28,000 scfm)
- Precise and tighter controlled tank pressure relief with the pilot design
- Pilots allow relief of small pressure build-ups instead of a full discharge from the main valve. This is ideal for high temperature sites
- Main spring made from chromium-silicon alloy steel for wide temperature range

More Reliability

- 30+ field proven years with harsh hydrocarbon and petrochemical applications
- Balanced seat design minimizes stress on main spring and increases service life on main seal
- Pilot spring is in atmosphere instead of in product, minimizing chance for harsh chemicals to attack spring under compression
- Durable steel (instead of ductile iron) body and all stainless steel tubing and pilot regulators for corrosion resistance.



Pilot Maintenance

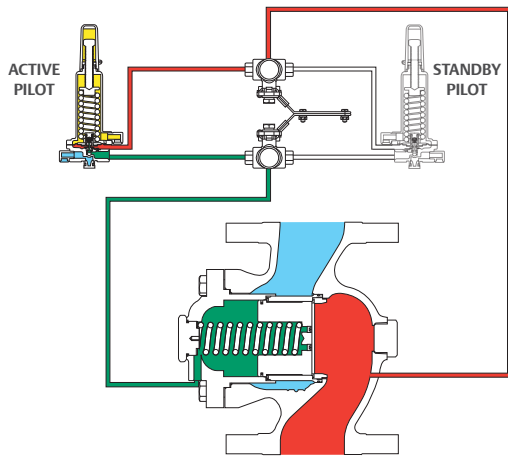


Lifting Strap

NUMBER OF VALVES REQUIRED/SURFACE AREA ⁽¹⁾	
Number of Type 63EGLP	Surface Area (ft ²)
1	Up to 3069
2	3070 to 7147
3	7148 to 11,718
4	11,719 to 21,847

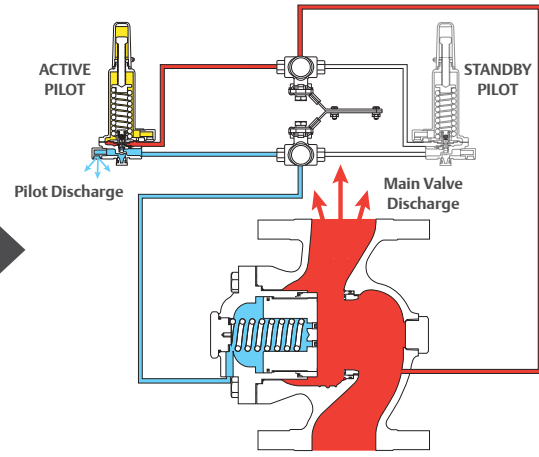
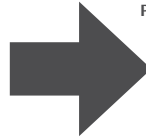
1. Based on 38,794 CFM air at 20% over 250 psig set pressure. Please contact Fisher for other set points.

For LPG and NGL applications



Type 63EGLP at Normal Condition
(both main valve and active pilot are closed)

- INLET PRESSURE
- OUTLET PRESSURE
- ATMOSPHERIC PRESSURE
- LOADING PRESSURE



Type 63EGLP at Overpressure Condition
(active pilot discharges loading pressure, main valve discharges excess tank pressure)

UL® listed and CRN approved for LPG

Specifications

Tank Connection: 4 in. CL300 flange
 - Available in 3 in. with 4x3 in. flange reducer*
Max Relief Inlet Pressure: 400 psig / 27.6 bar
Flow Characteristic: Linear
Temperature Capabilities: -20 to 180°F / -29 to 82°C
Approximate Weight: 178 lbs / 80.7 kg
Main Valve Port Diameter: 4.38 in. / 111 mm
Valve Plug Travel: 2 in. / 51 mm
Included: UV resistant rain cap and load-rated lifting sling

Materials

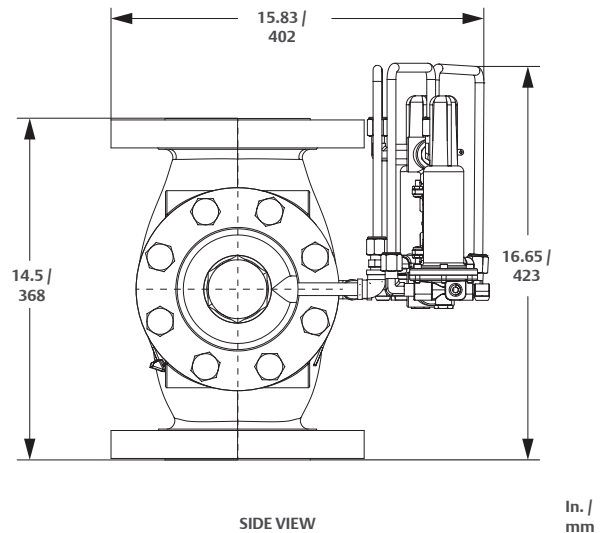
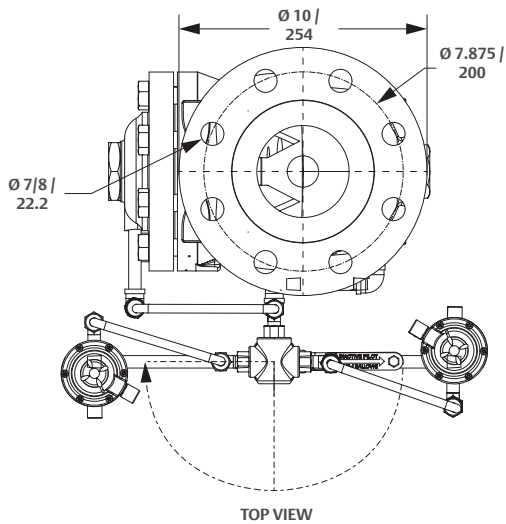
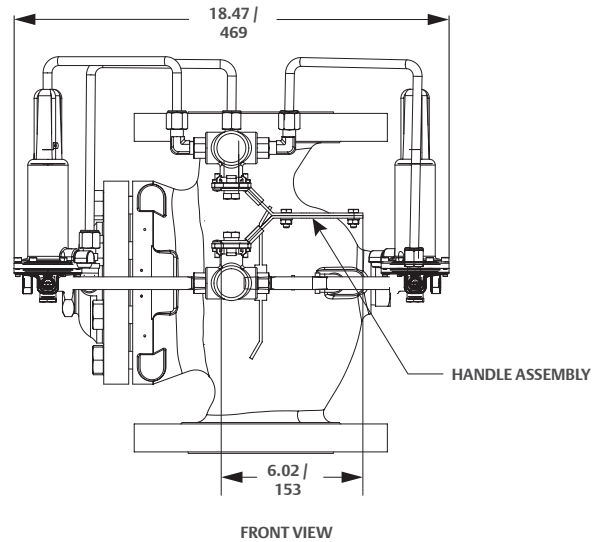
Body: CL300 WCB Steel
Pilot construction and tubing: Stainless steel
Body O-rings and upper seals: Nitrile (NBR)
Pilot elastomer: Nitrile (NBR)
Piston ring: Polytetrafluoroethylene (PTFE)
Trim: Hardened 416 stainless steel valve plug and seat ring
Linear Cage: Electroless Nickel Coated (ENC) CF8M stainless steel

Type Number ⁽¹⁾	Discharge Set Pressure		Replacement Pilot Type	Listing / Approval	Flow Rate, Air	
	psig	bar			scfm	scmm
63EGLP-250	250	17.2	6358EBLP-250	UL and ASME Sect VIII, Div. I	38,794 ⁽²⁾	1099 ⁽²⁾
63EGLP-EB1	85 to 140	5.9 to 9.7	6358EBLP-1	ASME Section VIII, Div. I	13,045 to 51,944 ⁽³⁾	369 to 1471 ⁽³⁾
63EGLP-EB2	130 to 200	9.0 to 13.8	6358EBLP-2			
63EGLP-EB3	180 to 350	12.4 to 24.1	6358EBLP-3			
63EGLP-EBH	250 to 375	17.2 to 26.0	6358EBHLP			

1. All are 4 in. CL300 Flange Connections. For 3 in. flange connection, a 4x3 in. flange reducer, ERAA07958A0, is available.
 2. Capacity based on 20% over set pressure, UL-132 Standard.
 3. Capacity based on 20% over set pressure. ASME Flow Rate (SCFM Air) = 111.78 x ((Set Pressure (psig) x 1.2) + 14.7).

*Flow Capacity must be reduced if flange reducer assembled onto unit. Consult Emerson/Fisher application engineers for flow rate reduction estimates.
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