



CPI

by Howden

SAFEGUARD™ 1000

Lubrication System Console



CPI, a division of the Howden group, presents the SAFEGUARD™ lubrication system console, an exceptional standalone console designed specifically for hazardous environments and a wide range of industrial machinery, including reciprocating compressors and reciprocating pumps. This console is engineered to seamlessly integrate with CPI's extensive selection of divider blocks and lubrication system accessories, ensuring precise lubrication for your machinery.

With the implementation of CPI's innovative shutdown devices or proximity switches, the lubrication process becomes finely timed and closely monitored, eliminating the costly issues associated with over or under lubrication. This advanced control mechanism guarantees optimal performance and extends the lifespan of your equipment.

While the CPI SAFEGUARD™ 1000 serves as a cost-effective solution tailored for smaller and less critical compressors, it remains a highly appealing choice. Additionally, the system offers upgrade options, such as the inclusion of an attached panel for the divider block and the ability to connect level switches, thereby enhancing its functionality and versatility.



CPI by Howden is a Chart Industries Company

SAFEGUARD™ 1000

Lubrication System Console

Features:

- Single Motor Driven P-55 Pump Package
- 105 litres Stainless Steel Oil Supply Reservoir
- Single Oil Supply Filter Circuit
- Single Discharge Filter Circuit, 10-Micron
- Patented POPR
- CPI Divider Valve Assemblies (Optional)
- Heater/Thermostat (Optional)
- High and Low Level Switches (Optional)
- Rugged Steel Frame Powder Coated Finish

Dimensions:

Configuration	Height mm (in)	Width mm (in)	Depth mm (in)	Weight (kg (lbs))
Standard	1446 (57)	1035 (41)	658 (26)	167.7 (390)
With panel	1814 (72)	1035 (41)	658 (26)	205.4 (453)

System Working Pressure:

Supply MAWP: 150 psi (10 bar)

Discharge MAWP: 8000 psi (544 bar)

Reservoir:

Material: Stainless Steel

Capacity:

Usable: 105 Litres between Level Switch Controls

Total: 146 Litres

Lubrication Oil:

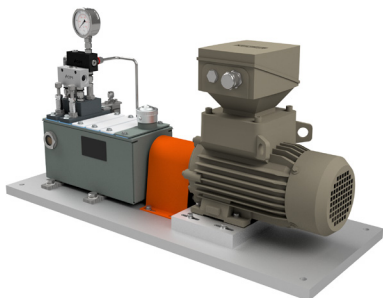
ISO 22 – ISO 680

SAE 5W Engine Oil – SAE 140W Gear Oil

IMPORTANT - Please consult CPI for higher viscosity oil usage.

P-55 Pump:

Plunger Size	MAWP: bar (psi)
3/16"	517 (7,500)
1/4"	488 (6,500)
3/8"	241 (3,500)



Gauges:

Material:

Case: Stainless Steel

Internals: Stainless Steel

Scale: Dual psi/bar

Fill: Glycerin

Pin Indicators:

Material: Stainless Steel (body & spring), Viton (seals)

Pin: Anodized Aluminium (Color Coded)

Pop Open Pressure Relief (POPR):

Material: Stainless Steel

MAWP: 241 bar (3,500psi) or 379 bar (5,500 psi)

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