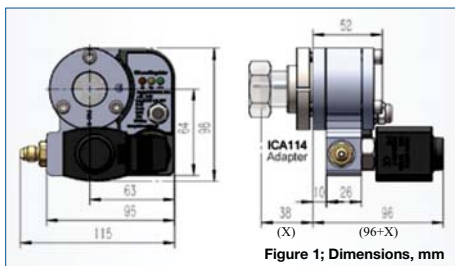
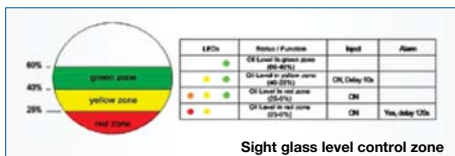
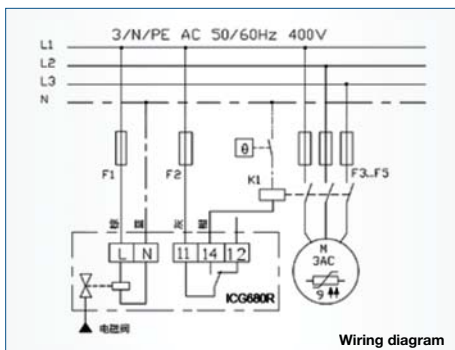


Oil Level Regulator - ICG680R

油位控制器 - ICG680R



APPLICATION:

ICG680R monitors and controls the oil level in compressors, and generates an alarm for low oil level.

ICG680R maintains the oil level between 40% till 60%. Solved the oil distribution for compressors in tandem configuration, by actively adjusting oil level from the oil separators or oil receivers.

NOTE: only applicable to low-pressure chamber compressors, please choose ICG580R for high-pressure chamber compressors.

FEATURES:

- * Suitable for HFC, HCFC, CFC and CO₂ refrigerants.
- * Hall sensor allows precise level detection, with no incorrect measurements due to foaming or incidence of light.
- * Real-time LED lights display and SPDT alarm.
- * Oil measuring range: base level +/- 10.5mm.
- * The oil inlet port is easy to clean.
- * Suitable for both high-pressure and low-pressure oil system.

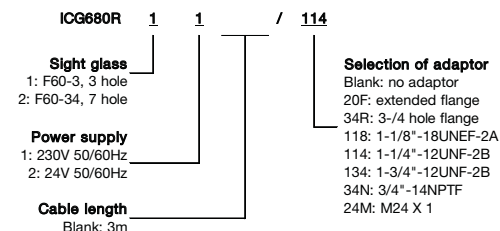
SPECIFICATIONS:

Item	Description
Supply voltage	AC 50/60Hz 230V +10/-15% 17VA AC 50/60Hz 24V +10/-15% 17VA
Ambient / storage temp.	-40°C ... +60°C
Humidity	0 to 95% RH
Medium temp.	-40°C ... +120°C
Max. working pressure	60bar
Test pressure	66bar
Vibration resistance	Max. 4g, 10...250Hz (EN 60028-2-6)
Oil level control	40% ... 60% of sight glass height
Solenoid valve MOPD	31bar
Flow rate at ΔP=3.5bar	0.9 liter/min. H ₂ O at 20°C
Time delay filling	5...10sec.
Alarm contact	SPDT, 5A, 240V AC, C300, dry contact
Alarm delay	90sec.
Mechanical life	Approx. 1 million switching cycles
Connection cable	6xAWG 20#, color coded
Applied standards	EN12284, EN378, EN61010, EN61000-6-1/-2
Protection class	IP67 for base, IP65 for coil (EN 60529)
Material	AW6082, SUS304, PA66/PA6+GF
Oil connection	7/16"-20UNF male, with strainer and O-ring
Oil compatibility	Mineral and ester oil without additives
Mounting position	Horizontal, +/-1°
Weight	Approx. 1kg (without adaptor)

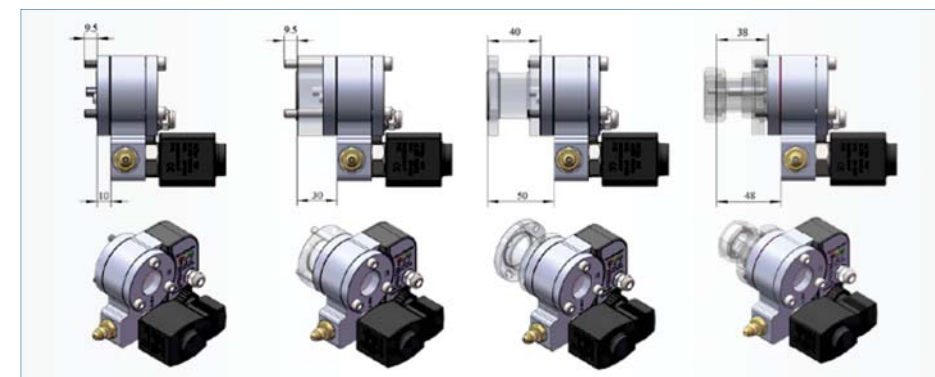
Oil Level Regulator - ICG680R

油位控制器 - ICG680R

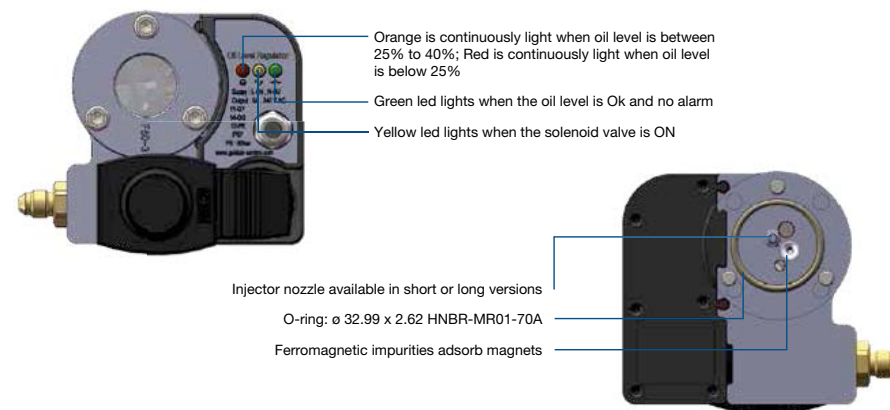
NOMENCLATURE:



TYPICAL CONFIGURATION:



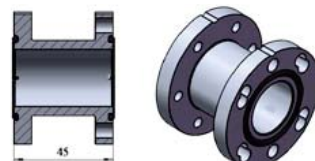
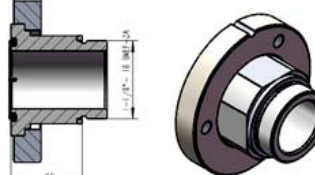
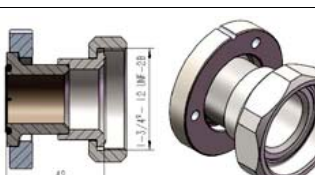
LED INDICATION AND BACK PARTS:



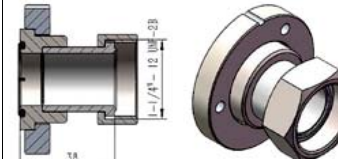
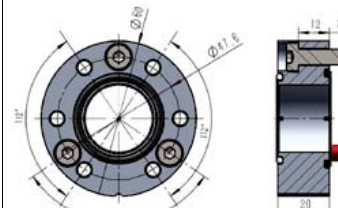
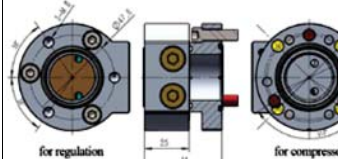
Adaptor For Oil Level Monitor / Regulator 适配器

APPLICATION:

ICA series adaptors can be used for the connection of oil level regulators, monitors and compressors in major brands, including but not limited to: Trax Oil OM3/OW3, Emerson OMB, DEKA COM(L), TEKLAB TK3, AC&R Optron/SN series, ESK schulze ERM2-0-BC/ORS-0-BC, Carly ELECTROIL, FP ERL. etc.

Description	Substitute for	Suitable for compressors	Dimensions, mm
ICA34F : 3-/4-hole flange adaptor	OMB-AUA, P/N 063 521 OM0-CUA, P/N 805 037 OM0-CCC, P/N 805 041	Arctic Circle G2, G4, G6 Bitzer 4VC, 4TC, 4TE, 4PC, 4NC, 4J, 4H, 4G, 6J, 6H, 6F, 8GC, 8FC Bock HA, HG (except G/HA-34/22) Copeland 4M & 6M, D2, D3, D4, D6, D9, 4CC, 6CC, ZBH, D8D, D8S Dorin all KP, K series Frascold A, B, D, F, S, V, W, Z, A-SK, D-SK, F-SK, Q-SK, S-SK series	
ICA118 : 1-1/8"-18 UNEF-2A screw adaptor	OMB-CO2, P/N 066 692 OM0-CBB, P/N 805 038	Bitzer 2KC, 2JC, 2HC, 2GC, 2FC, 2EC, 2DC, 2CC, 4FC, 4EC, 4DC, 4CC Bock HA 12/22/34, HG 12/22/34 Dorin all H series, K100C, K150C, K180C, K200CC, K230CS, K235CC, K240SB, K40CC, K50CS, K75CC/CS L'Unité Herm TAH, TAG Maneurop LT, MT, SM, SZ	
ICA34N : 3/4"-14 NPTF screw adaptor	OMB-ACA, P/N 065 668 OM0-CCA, P/N 805 039	Bitzer ZL, ZM series Copeland ZB15 to ZB48, ZBD21 to ZBD45 – until 06/2014 ZB56, 75, 92, 11 until 05/2012 ZF06 to ZF25 until 06/2014 ZF24 to ZF48 until 05/2012 ZS21 to ZS45 until 06/2014 ZS56 to ZS11 until 05/2012 Trank K series	
ICA134 : 1-3/4"-12 UNF-2B screw adaptor	OMB-ACE, P/N 066 078 OM0-CCD, P/N 805 042	Copeland ZB130, ZB150, ZB190, ZB220, ZF196, ZF122, ZF140, ZH, ZR90, ZR11, ZR12, ZR16, ZR19, ZR250 to ZR380, ZS56 to ZS11	

Adaptor For Oil Level Monitor / Regulator 适配器

Description	Substitute for	Suitable for compressors	Dimensions, mm
ICA114 : 1-1/4"-12 UNEF-2B screw adaptor	OMB-ACF, P/N 066 650 OM0-CCE, P/N 805 043	INVOTECH YM, YF series Copeland ZB15 to ZB114, ZF06 to ZF54, ZF120 to ZF181, ZBD21 to ZBD45 after 06/2014, ZS21 to ZS45 after 06/2014	
ICA320F : 3 hole flange adaptor	Only for ICG360/580/680, OM3/OW3 DEKA-COM(L) PF-ERL	INVOTECH YSM, YSF series Panasonic 3CC, 2CC, ACC, C-SC series Frascold A, B, D, Q, S, V, W, Z, A-SK, D-SK, F-SK, Q-SK, S-SK series	
168F34 : 3-/4- hole flange adaptor with shut-off valve	OMB-AUA, P/N 063 521 OM0-CUA, P/N 805 037 OM0-CCC, P/N 805 041	Arctic Circle G2, G4, G6 Bitzer 4VC, 4TC, 4PC, 4NC, 4J, 4H, 4G, 6J, 6H, 6G, 6F, 8GC, 8FC Bock HA, HG (except G/HA-34/22), O series Copeland 4M & 6M, D2, D3, D4, D6, D9, 4CC, 6CC, ZBH, D8D, D8S Dorin all KP, K series Frascold A, B, D, F, S, V, W, Z, A-SK, D-SK, F-SK, Q-SK, S-SK	
ICA118CSH : 1-1/8"-18 UNEF-2A-CSH elongated screw adaptor		FUSHENG SRL-MS, SRL-DS series RefComp SRC-S, SRC-XS series HANBELL RC2 series Bitzer CSK, CSH series	