Oil Level Regulator - ICG580R / ICG580RM 油位控制器 - ICG580R / ICG580RM



SIGHT GLASS LEVEL CONTROL ZONE:

/ 0	v \ u	Ds	Level	Inject	Relay / Alarm
. /	,		60-40%		
			40-25%	ON, Delay 8s	
	•		25-0%	ON	Yes, Delay 120s
1	•		25-0%	ON	CFF

APPLICATION:

ICG580R is suitable for oil level management in high-pressure and low-pressure chamber compressors.

ICG580R uses a Hall sensor to measure the oil level. A magnetic float changes its position with the oil level and is not prone to errors caused by foaming or light.

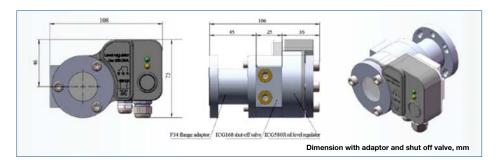
FUNCTIONAL DESCRIPTION:

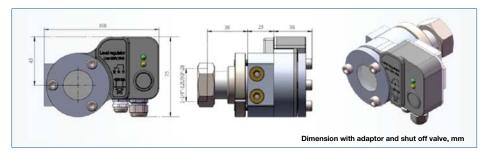
- * The Hall sensor converts these magnetic field changes into an equivalent signal, which is used by the electronic controller to open or close an external solenoid valve which feeds missing oil directly into the compressor sump.
- If the oil level drops into the red zone the ICG580R generates an alarm signal and the alarm contact (SPDT) changes into alarm state. The latter may be used to shut down the compressor. In the alarm status the ICG580R is still feeding oil into the compressor. If the oil level comes back to normal, the alarm will be reset.

SPECIFICATIONS:

Description	
AC 50/60Hz 230V±15%15VA	
-40°C +60°C	
-20°C +100°C	
Time delay filling: 8sec ± 2sec Time delay alarm: 120sec ± 10sec	
45bar (ICG580R); 60bar (ICG580RM)	
MOPD: 31bar Flow rate at AP=3.5bar, H2O, 3.2L/min.(SV20F-2) Power: 13VA at AC 50/60Hz 230V Oil conn.: 1/4" SAE (7/16"-20UNF)	
MOPD: 31bar Flow rate at ΔP=3.5bar, H2O, 2.0L/min.(SV16F-2) Power: 16VA at AC 50/60Hz 230V Inlet oil conn.: 1/4" ODF or 3/8" SAE Outlet oil conn.: 1/4" SAE (7/16"-20UNF)	
AC15: 2.5A, 250VAC DC12: 5A, 24VDC	
Cable 5 x AWG-20#, L = 2m, color coded	
Cable 2 x AWG-20#, L = 1.5m, color coded	
Aluminum, Nickel-plated steel, PA6/PA66+GF	
HFC, HCFC, CO ₂ (subcritical), Synthetic and ester lubricants	
IP65 (EN 60529)	
Horizontal, +/-1°	
Approx. 1kg (with adaptor ICA34F)	

Oil Level Regulator - ICG580R / ICG580RM 油位控制器 - ICG580R / ICG580RM





APPLICATION FOR RESERVOIR OIL MONITORING:







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 TR3, AC&R Optronic/SN series, ESK schulze ERM2-0-BC/ORS-0-BC, Carly ELECTROIL, FP ERL. etc.

D	Outstand for	Outheld for a second	Discouries and
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	Artic 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	45
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, K150C, K230CS, K235CC, K240SB, K40CC, K50CS, K75CC/CS, L'Unite 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 106/2014 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, ZF1122, ZF1140, ZH, ZF90, ZR11, ZF12, ZR16, ZF19, ZR250 to ZR380, ZS56 to ZS11	45 To 19 19 19 19 19 19 19 19 19 19 19 19 19

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	20 82-M31-17/-1
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	12 8
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	Rctic 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 Dorln all KP, K series Frascold A, B, D, F, S, V, W, Z, A-SK, D-SK, F-SK, Q-SK, S-SK	for regulation for compressor
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	



