

OIL LEVEL SYSTEM - TRAXON

TraxOil

TraxOil TR3 is an electronic Oil Management system that replaces the oil level sight glass at the compressor crankcase. A mechanical level detector (float) recognises the oil level in the crankcase and transmits this information to the control logic. An integrated solenoid valve switches oil flow. If there is not enough oil flow the system will initiate an alarm.

The TR3 allows visual oil level inspection through the sight glass. The ideal oil level for most compressors is in the centre line of the sight glass. Three indicator LEDs are showing the actual status of the Oil Management system. When the green LED is on, the oil level is optimised. The yellow LED indicates that the solenoid valve is switched on for oil refill. The red LED signals an oil level below the minimum level and activates the alarm relay. Various models are available to suit most compressors.

Major features of the new model:

Digital processor
Hermetic leakproof and dustproof housing
CE approved, EMC emissions
Waterproof cables, no wiring at TraxOil
No orifice restrictor
New coil & tube with internal solenoid seat
Easy mounting under low space conditions



SPECIFICATIONS	
Voltage:	24VAC 50/60Hz ± 10%
Amps:	0.7
Weight:	800 – 950grams depending on adaptor fitted
Maximum working pressure:	31 bar
Leakage test pressure	35 bar
Solenoid MOPD:	21 bar
Alarm switch:	SPDT
Alarm contact rating:	3A / 240 VAC
Medium temperature:	-20° to +80° C
Medium compatibility	HFC, HCFC (not suitable for flammable refrigerants or ammonia)
Ambient temp (Housing):	-20° to +50° C
Time delay filling: (Yellow)	10 sec
Time delay alarm: (Red)	20 sec
Protection class: (DIN43650)	IP65
Oil supply fitting:	7/16" -20 UNF male
Sensing method:	Patented miniature "Float and Hall Sensor"

TraxOil Model #	Compressor Make	Compressor Model
TR3201 (3 or 4 hole flange style adaptor)	Bock	HA, HG (except HG/HA 12/22/34 see TR3203), O series, HAX (newer models with provision for sightglass on the side)
	Carrier(Carlyle)	06E
	Copeland	D2, D3, D4, D6, D9, 4CC, 6CC
	Dorin	KP, K Series (except those listed under TR3203 below) H2, H3, H4, H5500-H2200
	Frascold	Series A, B D, F, S, V OR Z
	Bitzer	2N, 2T, 4G, 4H, 4J, 4N, 4P, 4T, 4NC, 4PC, 4TC, 4VC, 6F, 6G, 6H, 6J, 8FC, 8GC (see note at TR3221)
	Prestcold	P2, P3, P4, P6
TR3202 (3/4" 14 NPT thread)	Bitzer	ZL & ZM
	Copeland	ZF, ZS, ZB15-56, ZB75, ZB92, ZB11, ZBD30, ZBD45, ZFD18
TR3203 (1-1/8" 18UNEF thread)	Bitzer	2CC, 2DC, 2EC, 2FC, 2GC, 2HC, 2JC, 2KC, 4CC, 4DC, 4EC, 4FC
	Bock	HA12/22/34, HG12/22/34 (sight glass on side)
	Dorin	H1 series, K100CC/CS, K150CC/CS, K180CC/CS, K200CC K230CS, K235CC, K240SB, K40CC, K50CS, K75CC/CS
	L'Unite Hermetique	TAH, TAG, TFHP
TR3204 (1-1/8" 12 UNF thread)	Maneurop	LT, MT, SM, SZ, MFZ
	Copeland	DK & DL
TR3205 (long flange style)	Prestcold	DL & PL
	Bock	HA, HAX & HG with no provision for sight glass on side, F3, F4, F5, F6, F14, F16, AM series, O4
TR3207 (3 hole flange adaptor)	Copeland	D8D, D8S (except for sightglass location on LHS (DT, SJ, SK) see TR3213)
	Prestcold	P8
	Terry	VS
TR3210 (1-1/2" 18UNEF thread)	Sanyo	
	Carrier(Carlyle)	5F20, 5F40, 5F60, all 5H, 06D (some models)
TR3212 (1-3/4" 12 UNF female)	Copeland	ZR90 TO ZR19M, ZR250-380, ZRT180K-760K, ZRU280K-560K ZRY480K-1140K, ZB220, ZP235/295/385/386
TR3213 (3 hole)	Copeland	D8SJ, D8SK, D8DT with sightglass location on RHS being used
TR3214 (1-1/4" 12 UNF female)	Copeland	ZB58, ZB66, ZB76, ZB114, ZP90/154/182, ZR94/160/190 (Jan 2007 onwards), ZP103/120/137, ZR108/125/144 Serial # 07C702015W on
TR3215	Copeland	ZB440
TR3221 (3or4 hole flange style)	Bitzer	4V6.2-4N20.2 (Pre Sept 1998 & before SN 5490000) and 4J13.2-6F50.2 (Pre Nov 1997 & before SN 531001)