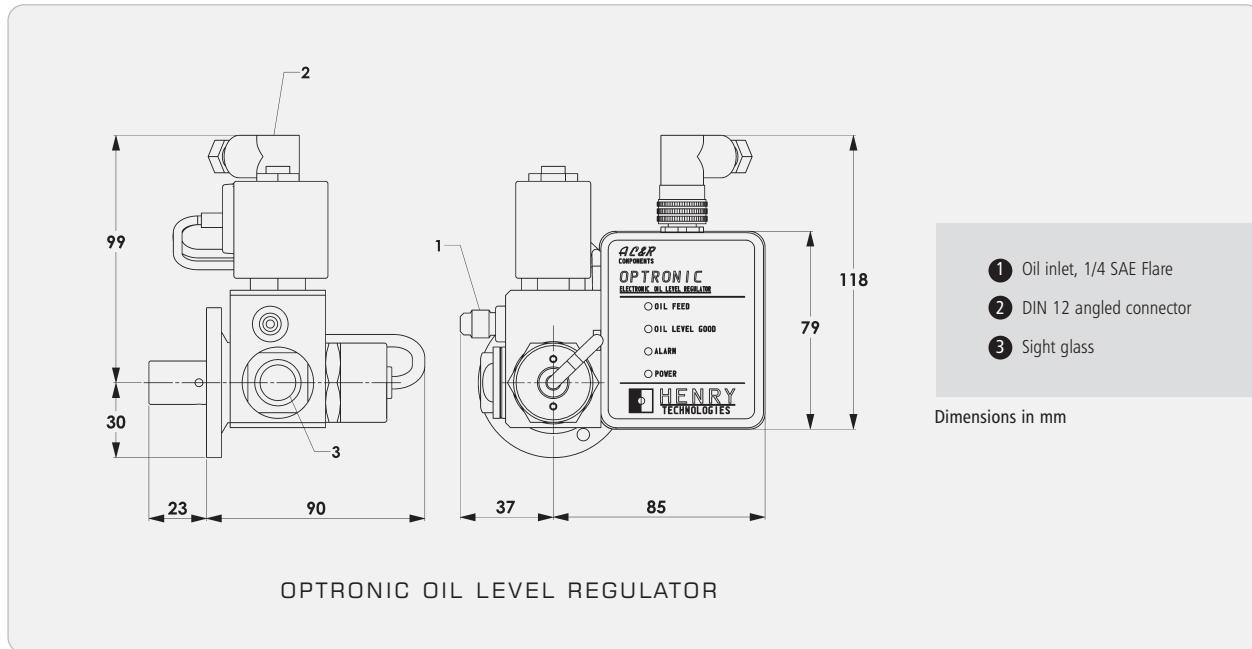


OPTRONIC OIL LEVEL REGULATOR

Materials of Construction

The main valve body components are made from plated carbon steel.
The electronic control module's enclosure is made from tough ABS plastic.



Refer to the table for compressor adaptors:-

OPTRONIC ADAPTORS		
Part No	Compressor Type	Mounting Style
A4134	Bitzer Octagon	1 1/8"-18 UNEF thread with O-ring
A4149	Scroll	3/4" NPT
A4221	Maneurop	1 1/8"-18 UNEF thread with teflon gasket
A4382	Copeland ZR Scroll	1 1/8"-12 UNF thread with O-ring
A4562*	Copeland & Bitzer, up to 4 cylinders	3 & 4 bolt combination flange with O-ring
A4563*	Copeland & Bitzer, up to 6 cylinders	3 & 4 bolt combination flange with O-ring
A4762	Copeland Scroll	1 1/4"-12 UNF thread Rotalock with teflon gasket
A4766	Copeland Scroll	1 3/4"-12 UN thread Rotalock with teflon gasket

* Adaptors are only suitable for Bitzer compressors manufactured after May 1997 as they do not have the oil guard feature

Flow rate data

The flow rate of oil through the Optronic oil regulator is dependent on the pressure differential between the supply line and the compressor crankcase. Gravity pressure level should be included also, if applicable. The graph illustrates typical flow rates at various pressures. The flow can be reduced by inserting the A4775 1/4" flare adaptor.

Installation – Main issues

1. The electronic module will be damaged if the 24V supply voltage is exceeded.
2. Power to the unit should be maintained during compressor running, stand-by and shutdown modes.
3. To protect the regulator from system debris, a filter drier is recommended.

