

Fluid Level Controls

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section 15



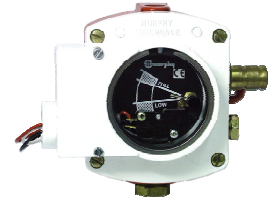
Product transition notice (EMEA region): LR857 and LM2000(S) superseded by LM500(TF)

LR857 and LM2000(S) phase-out

Effective 15th February 2013, LR857 and LM2000(S) oil level regulators/maintainers have been discontinued from sale in the EMEA region, to be replaced by the LM500(TF) series. Models affected:

All LR857 models:

- LR857, base model
- LR857-LS, base model, less switch
- LR857-F, with fittings kit
- LR857-F(OC), with fittings kit & outlet connection
- LR857-P, base model plus pipe bracket mount
- LR857-U, base model plus universal flange mount
- LR857-F-P, with fittings kit & pipe bracket mount
- LR857-F-U, with fittings kit & universal flange mount



All LM2000 models:

- LM2000, base model
- LM2000S, as LM2000 plus additional two 3/8 NPTF side outlets



LM500(TF) replacement

The LM500(TF) is intended as a functional replacement for the LR857 and LM2000(S) series. LM500(TF) feature improvements include:

- Larger 'frogeye' sight glass for improved visibility of oil level/condition (not available on LR857; sight-glass is larger than LM2000)
- 'TF' option allows testing of float movement and low-level switch (LR857 has a test facility for the switch only; LM2000 does not have any test facility)
- Stainless steel float
- Height adjustment/setting with full length slots, which can remove the need for a special mounting bracket



While the LM500(TF) features and specifications are generally improved in comparison with older equivalent models, the L500(TF) is physically larger, and may require different size inlet/outlet port fittings. An assessment must therefore be made before attempting replacement or retrofitting: see section below for comparative specifications.

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USA-ISO 9001:2008 FM 28221
UK-ISO 9001:2008 FM 29422
CHINA-ISO 9001:2008 FM 523851
Registered Facilities



Feature comparison

| | LR857 | LM2000 | LM2000S | LM500 | LM500-TF |
|---|---|---|----------|---|---------------------------------------|
| |  |  | |  | |
| Inlet | 1/4" NPT, optional 5/8" hose fitting | 1/2" NPT | | 1/2" NPT | |
| Inlet operating pressure | 2 – 25ft (0.6 – 7.7m) oil head pressure | 2 – 25ft (0.6 – 7.7m) oil head pressure | | 2 – 25ft (0.6 – 7.7m) oil head pressure | |
| Outlets | | | | | |
| left side | 3/8" NPT | - | 3/8" NPT | 3/4" NPT | |
| right side | 3/8" NPT | - | 3/8" NPT | 3/4" NPT | |
| bottom | 1/2" NPT | 3/4" NPT | | 3/4" NPT | |
| Float material | brass | brass | | stainless steel | |
| Oil level indication | switch pointer and scale | oil visible, 70mm frogeye lens | | oil visible, 100mm frogeye lens | |
| Low level switch, SPDT contact rating conduit connection test facility | 10A @ 125VAC/30VDC 1/2" NPT tests switch only | 10A @ 125VAC/30VDC 1/2" NPT no | | 10A @ 125VAC/30VDC 1/2" NPT no | tests float movement and switch |
| Dimensions, mm (approx) | | | | | |
| H | 122 | 117 | | 150 | |
| W | 125 | 140 | | 160 | |
| D | 71 | 73 | | 90 | |
| More info | www.fwmurphy.co.uk/ lr857 | www.fwmurphy.co.uk/lm2000 | | www.fwmurphy.co.uk/lm500 | |

LM500(TF) part and accessory codes

| Stock code | Model / description |
|------------|---|
| 15.70.0835 | LM500 oil level maintainer |
| 15.70.0836 | LM500-TF with test facility |
| 15.70.0837 | LM500-TF-ATEX, approved for ATEX zone 2, category 3G, Ex ic IIC T5 Gc X -20°C < Ta < 85°C |
| 15.70.0843 | LM500-TF-PM, complete with pipe mounting kit |
| 15.00.0954 | Vent fitting kit: - one tubing vent - one connector, 1/4 x 1/2 NPT |
| 15.00.0355 | Hose kit: - one 1/2 in. (13mm) ID x 3ft (914mm) long hose - one 1 in. (25mm) ID x 3ft (914mm) long hose - two 1/2 in. (13mm) worm gear clamps - two 1 in. (25mm) worm gear clamps - two 1/2 NPT x 1/2 in. (13mm) barbed fittings - two 3/4 NPT x 1 in. (25mm) barbed fittings |
| 15.00.0943 | Fittings kit: - one tubing vent - one connector, 1/4 x 1/2 NPT - one hose barb, 1/2NPT to 1/2" hose - one hose barb, 1" ID hose x 3/4 NPT |
| 89.08.0801 | 1/2 NPT x 1/2 in. hose barbed fitting |
| 89.08.1001 | 3/4 NPT x 1 in. hose barbed fitting |
| 15.00.0518 | Pipe bracket mounting kit |
| 15.00.0519 | Universal flange mounting kit |
| 15.00.0532 | Bubble lens kit |