



REMOTE RESERVOIR FILL SYSTEM



PRODUCT DESCRIPTION

ALLOWS HIGH SPEED, CONTAMINATION FREE, FILLING OF LUBRICATION SYSTEM RESERVOIRS

ENVIRONMENTALLY SUPERIOR DESIGN

NO OPEN VENTING OF LUBRICANT TO ATMOSPHERE

OPTIONS INCLUDE:

PRESSURE RELIEF VALVE WITH MEMORY

SAFETY RELIEF VALVE

FILL FITING

PRESSURE GAUGE

ELEVATED RESERVOIR SUPPLY RETURN MANIFOLD KIT

BENEFITS & FEATURES

DESIGNED FOR HIGH PRESSURE, RAPID REFILLING OF HYDRAULIC & LUBRICATION RESERVOIRS

BODIES DESIGNED TO ABSORB HIGH PRESSURE SURGES

FILTER ELEMENTS EASILY CHANGED WITHOUT REMOVING TUBE CONNECTIONS

AVAILABLE FOR OIL OR GREASE

OIL: 5-25 MICRON FILTRATION

GREASE: 40 TO 100 MESH FILTRATION

STEEL CONSTRUCTION RATED UP TO 7,500 PSI

READY FOR IMMEDIATE SHIPMENT

MADE IN



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80% OF ALL PUMP FAILURES ARE DUE TO LUBRICANT CONTAMINATION

If the operation is under extreme demand and “Best Practices” are unable to be followed, the Remote Fill Filter will reduce the risk of contamination being introduced into your reservoir and destroying the pump.

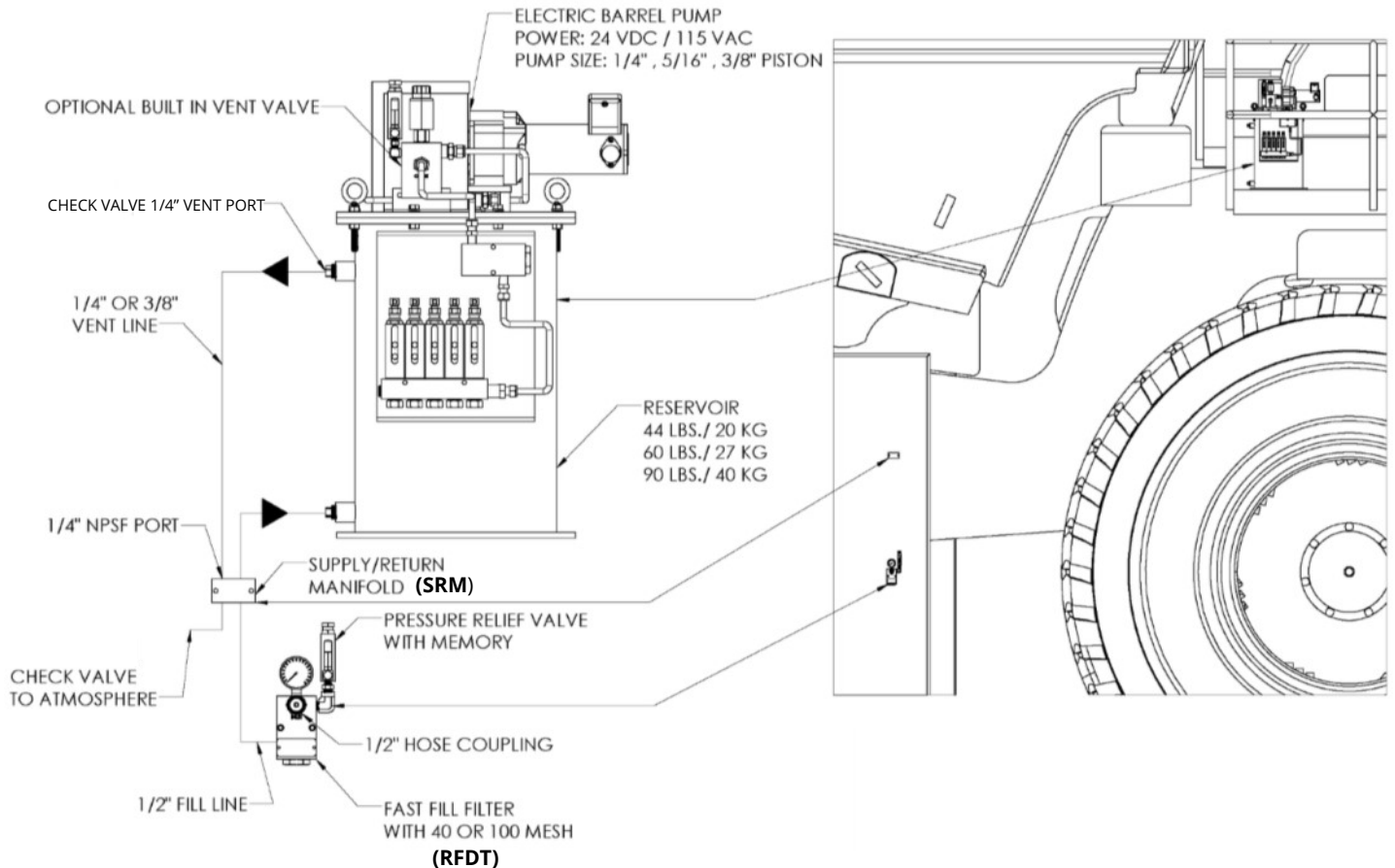
A common misconception in maintenance and reliability is that new lubricant is clean and ready for immediate use.

Oil/Grease tote delivery systems may contain anywhere from 2 to 20 times the acceptable amount of particulate allowable for most lubrication pumps.

A minute amount of dirt or sand can contaminate and possibly destroy a \$3000 pump.



REMOTE RESERVOIR FILL SYSTEM DESIGN



OPERATION

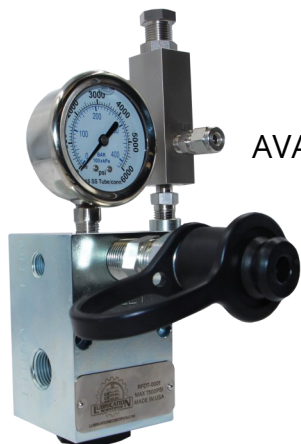
1. Connect hose quick coupler to fill fitting on the front of the **REMOTE FILL DIRT TRAP (RFDT)**.
2. Grease is pumped through the **RFDT** to the fill port on the reservoir.
If the reservoir location is remote from the **RFDT**, install the **SUPPLY/RETURN MANIFOLD (SRM)** between the **RFDT** and the reservoir. If there is a considerable distance between the **RFDT** and the remote reservoir, add additional **SRM** units, as required.
3. As grease is pumped into the reservoir, entrapped air above the follower is vented to atmosphere through a watertight breather, located on the top of the reservoir.
4. Once the grease reaches the **VENT PORT**, on the upper side of the reservoir, pressure will build until the **VENT PORT CHECK VALVE** opens (250 PSI), allowing grease to move down the vent line, opening the **end of vent line check valve** and providing visual indication that the reservoir is full.

Note A: In order to insure the vent line provides **POSITIVE INDICATION** that the reservoir is full, an **end of line check valve** must be installed at the **end of the vent line**. If using a **SRM**, install the **end of line check valve** into the bottom 1/4 port on the **SRM**.

Note B: If this installation includes **SUPPLY/RETURN MANIFOLDS**, tube from the reservoir **VENT PORT** to the first **SRM** and then to each subsequent **SRM**. Install the terminating check valve on the bottom 1/4 NPSF port of the last **SRM**. Install the last **SRM** close enough to the **RFDT** to insure a clear view of the **end of vent line check valve**.

REMOTE FILL DIRT TRAP

BODIES ARE DESIGNED FOR HIGH PRESSURE
HYDRAULIC & LUBRICATION APPLICATIONS
AVAILABLE WITH PRESSURE RELIEF VALVE WITH MEMORY,
SAFETY RELIEF VALVE, FILL FITTING,
AND PRESSURE GAUGE



AVAILABLE OPTIONS

STANDARD PACK: 1 EACH	
FILTER RATING	PLATED CARBON STEEL 7,500 PSI
BODY ONLY	RFDT-001
ASSEMBLY W/ 5 MICRON FILTER	RFDTA-005-O
ASSEMBLY W/ 10 MICRON FILTER	RFDTA-010-O
ASSEMBLY W/ 25 MICRON FILTER	RFDTA-025-O
ASSEMBLY W/ 150 MICRON FILTER	RFDTA-100-G
ASSEMBLY W/ 100 MESH FILTER	
ASSEMBLY W/ 420 MICRON FILTER	RFDTA-040-G
ASSEMBLY W/ 40 MESH FILTER	

*MUST BUY ELEMENT WITH BODY

DESCRIPTION	PART NUMBER
PRESSURE RELIEF VALVE W/ MEMORY, 1500 PSI	LPRVM-303-1500
PRESSURE RELIEF VALVE W/ MEMORY, 2000 PSI	LPRVM-303-2000
PRESSURE RELIEF VALVE W/ MEMORY, 2500 PSI	LPRVM-303-2500
PRESSURE RELIEF VALVE W/ MEMORY, 3000 PSI	LPRVM-303-3000
PRESSURE RELIEF VALVE W/ MEMORY, 3500 PSI	LPRVM-303-3500
PRESSURE RELIEF VALVE W/ MEMORY, 4000 PSI	LPRVM-303-4000
PRESSURE RELIEF VALVE W/ MEMORY, 5000 PSI	LPRVM-303-5000
SAFETY RELIEF VALVE	SRV-303-250-4000
FILL FITTING (INCLUDES PROTECTIVE CAP)	RFDT-H4F4
HOSE END COUPLER	RFDT-H4F4-C
PRESSURE GAUGE	LM-25-5K-4
SUPPLY (1/2 NPSF) RETURN (1/4 NPSF) MANIFOLD (CRS)	RFDT-SRM-000

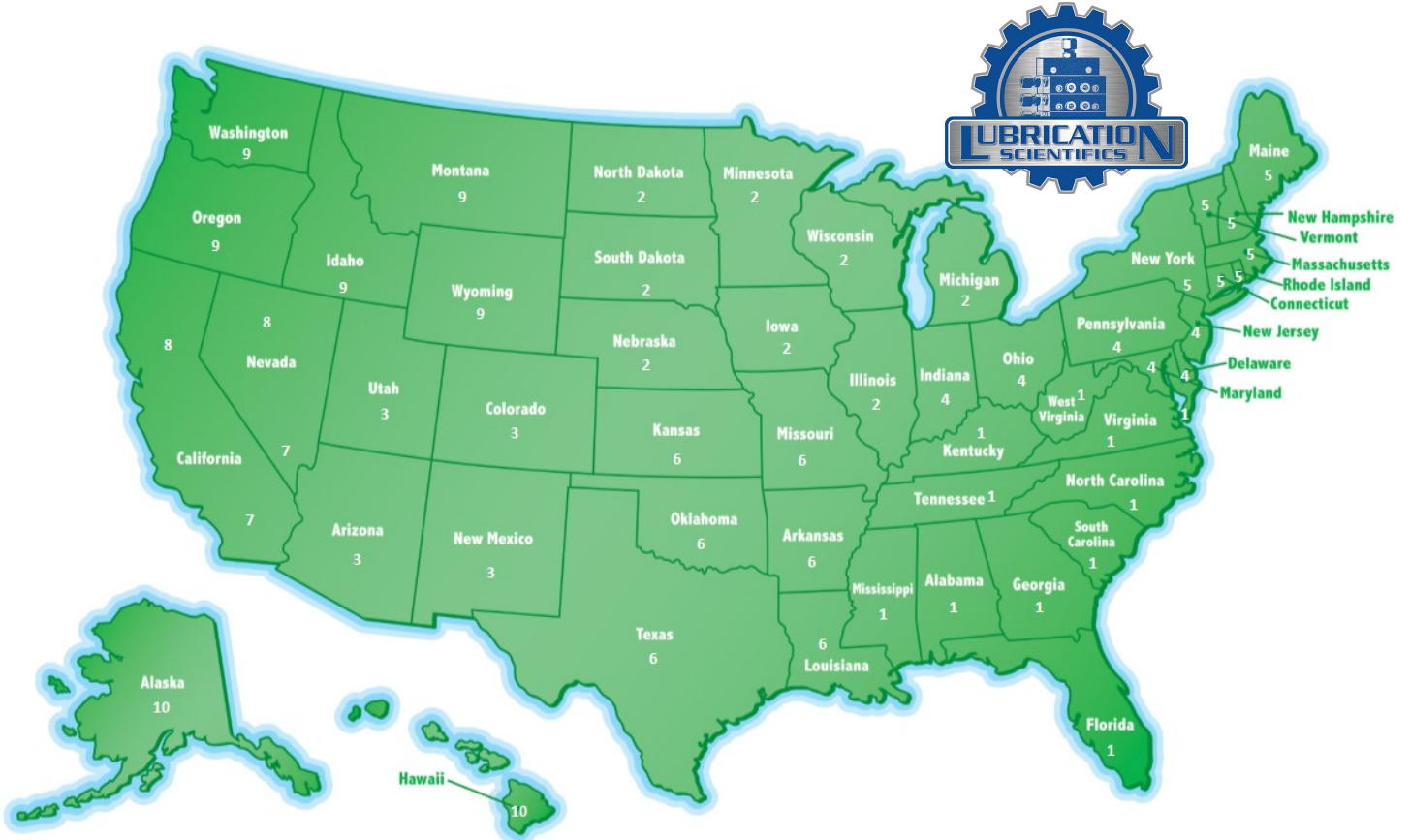
READY FOR IMMEDIATE SHIPMENT

MADE IN



CONTACT US

IN THE USA, FIND YOUR STATE IN THE MAP BELOW, LOOK FOR THE REGION ID NUMBER AND FIND THAT NUMBER IN THE CONTACT INFORMATION CHART.



CONTACT INFORMATION CHART

1	Call Factory Direct - 877-452-0157		
2	David Donahue Cell: 414-507-9513 Email: d.donahue@lubricationscientifics.com	Outside of the United States	Call Factory Direct - 877-452-0157
3	Bernie Sauve + El Paso Texas Cell: 210-702-9930 Email: bernie@lubricationscientifics.com	7	Richard Hanley - California - Santa Barbara, Ventura, Los Angeles, Orange, San Bernardino, Riverside, San Diego and Imperial Counties. Nevada - Clark County. Cell: 714-625-5539 Email: rth@lubricationscientifics.com
4	Andy Kromer Cell: 440-364-4721 Email: akclub@lubricationscientifics.com	8	California - All Counties not covered by Richard. Nevada - All Counties except Clark County. Call Factory Direct - 877-452-0157
5	Call Factory Direct - 877-452-0157	9	Call Factory Direct - 877-452-0157
6	Cory Walker Cell: 832-585-7065 Email: c.walker@lubricationscientifics.com	10	Call Factory Direct - 877-452-0157

Customer Service (877-452-0157)

- ◆ Order status & order entry
- ◆ Pricing inquiries
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