BU SERIES

Triple R

1. **3-IN-1 ABSOLUTE OIL CLEANING**
2. **INCREASING MACHINE RELIABILITY & MACHINE PRODUCTIVITY.**
3. **ENVIRONMENTAL RESPONSIBILITY**

REDUCE REUSE RECYCLE

ENGINEERED TO REMOVE SOLIDS + WATER + SLUDGE!

FEATURES

- Very compact and lightweight bypass oil cleaners.
- Effectively removes all the particles that are very difficult to remove with full flow filters, and performs absolute Oil Cleaning by removing **solid particles**, absorbing **water** and eliminating **sludge** and other **oil oxidation residues**.
- Connects directly to the high pressure line. No motor and pump necessary. With built in flow control valve, pressure relief valve and a pressure gauge for checking element changes.
- Low running cost, easy installation & maintenance.

BENEFITS

- Improves productivity and machine reliability.
- Prevents breakdowns to the hydraulic equipments.
- Longer life of all hydraulic components, pumps, servo-valves and other equipment.
- Saves significantly on oil consumption by extending oil life, up to 50.000 hrs. or 10 years.
- Very important reduction of the oil consumption cost and the resulting waste oil expenses.
- Discharges the very expensive full flow filters and extends their life (50% - 80% cost saving!).
- Significant reduction of maintenance expenditures.

ENVIRONMENTAL PROTECTION

- Triple R filters effectively clean the oil (down to NAS 6 or ISO 15/12) and stabilize the oil condition.
- That results in a significant increase of oil life and a significant reduction of oil consumption and oil disposal cost.
- Practice has proven that 50.000 hours of operation, or oil usage for up to 10 years can be achieved while maintaining all the oil properties.

TYPICAL APPLICATIONS

- Injection moulding machines.
- Die-casting machines, metal working machines, like bending-, cutting-, punching machines.
- Construction machinery and other mobile hydraulic machinery.
- All hydraulic systems with continuous pressure and fitted with proportional valves, servo-valves and other high-tech hydraulic equipment.

BU SERIES

TECHNICAL SPECIFICATIONS

MODEL	BU30E	BU100E	BU200E	BU300E	BU100EW	BU200EW	BU300EW
Application	for hydraulic oil, 9 -180 cSt				for water glycol fluids		
Article nr.	TR-19450	TR-19530	TR-19200	TR-19320	TR-19550	TR-19100	TR-19700
Flow rate	1,0 l/m	2,0 l/m	4,0 l/m	6,0 l/m	1,5 l/m	3,0 l/m	4,0 l/m
Pressure	Flow rates are guaranteed from 10 bar to 245 bar system pressure						
Thread In/Out	1/4" x 1/4" BSPT	1/4" x 3/8" BSPT	1/4" x 1/4" BSPT	1/2" x 1/2" BSPT	1/4" x 3/8" BSPT	1/4" x 1/4" BSPT	1/2" x 1/2" BSPT
Element type	30 size, M - E - X	100 size, Model M - E - X - D - WE			WG100 - DWG100		
Nr. of elements	1	1	2	3	1	2	3
Max pressure	Relief valve opens at 4,5 bar ΔP						
Weight kg	2,5	6,5	8,0	12,0	6,5	8,0	12,0
Dimension cm	14 x 12 x 29	23 x 17 x 32	24 x 24 x 41	24 x 24 x 77	23 x 17 x 32	24 x 24 x 41	24 x 24 x 77
Material	die casted aluminum		stainless steel		coated	stainless steel	

FILTER MODEL SELECTION CHART

MODEL *	300 LITER	600 L	800 L	1200 L	1500 L	1800 L
BU30E	■					
BU100E		■	▒			
BU200E			■	■	▒	▒
BU300E				■	■	■
BU100EW	■	▒				
BU200EW		■	▒			
BU300EW			■			

= for water glycol applications

* Selection criteria can be different depending on the machine condition and machine environment, the type of oil and the operation conditions (gray area).

CONNECTING TO THE HIGH PRESSURE LINE.

The BU200 and BU300 come with an external kit including a flow control valve, the pressure gauge and an air vent. The relief valve is fitted inside the housing.

Please consult our installation instructions before connecting the BU-filters to the high pressure line.

Remark: in case the hydraulic system is using a variable displacement pump, installation of a BU-filter might not be possible.