

1. *Cost saving*
2. *Improving production reliability*
3. *Environmental responsibility*



## *Stabilises the oil conditions to extend oil life!*

### Features:

- Very compact and light bypass oil cleaners.
- Effectively removes all the particles that are usually very difficult to remove with conventional filters, and performs a total cleaning of the oil 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.
- Designed for hydraulic systems up to 450 bar system pressure.
- All BU bypass filters are fitted with M-series 2 $\mu$  absolute filter elements ( $\beta_2 > 400$ ).
- With built in pressure and flow control valve, safety valve and pressure gauge for checking element change.
- Available for systems with an oil content up to 3.000 litres.
- Low running cost, easy installation & maintenance.
- Also available for water glycol fluids; with coated housing and WG element.

### Benefits:

- Prevents trouble to the hydraulic equipments.
- Improves machine reliability and productivity.
- Longer life of all hydraulic components, pumps, servo-valves and other equipment.
- Extends oil life by up to 40.000 hrs.
- Very important reduction of oil consumption and the resulting waste oil.
- Discharges the full flow filters and extends their life.
- Important reduction of maintenance costs.

### Typical applications:

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

## Technical specifications

Model	BU30E	BU50E	BU100E	BU200E	BU300E	BU100EW	BU200EW	BU300EW
Article nr.	TR-19450	TR-19650	TR-19530	TR-19200	TR-19320	TR-19550	TR-19100	TR-19700
Flow rate	1,0 l/m	1,5 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 350 bar system pressure - Max. pressure: 450 bar							
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	50 size, M - E - X	100 size, Model M - E - X - D - WE			WG100 - DWG100		
Nr. of elements	1	1	1	2	3	1	2	3
Max pressure	Relief valve opens at 4,5 bar ΔP							
Weight kg	2,5	4,0	6,5	8,0	12,0	6,5	8,0	12,0
Dimension cm	14 x 12 x 29	18 x 17 x 31	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	Liter 300	Lit 450	Lit 600	Lit 800	Lit 1200	Lit 1500	Lit 1800
BU30E							
BU50E							
BU100E							
BU200E							
BU300E							
BU100EW							
BU200EW							
BU300EW							

## Connecting to the high pressure line.

Please consult our installation instructions before connecting the BU-filters 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.

