

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 μ absolute filter elements (beta ratio $\beta_2 > 400$).
- 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 150	Lit 300	Lit 700	Lit 1100	Lit 1400	Lit 1750	Lit 2100
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.

