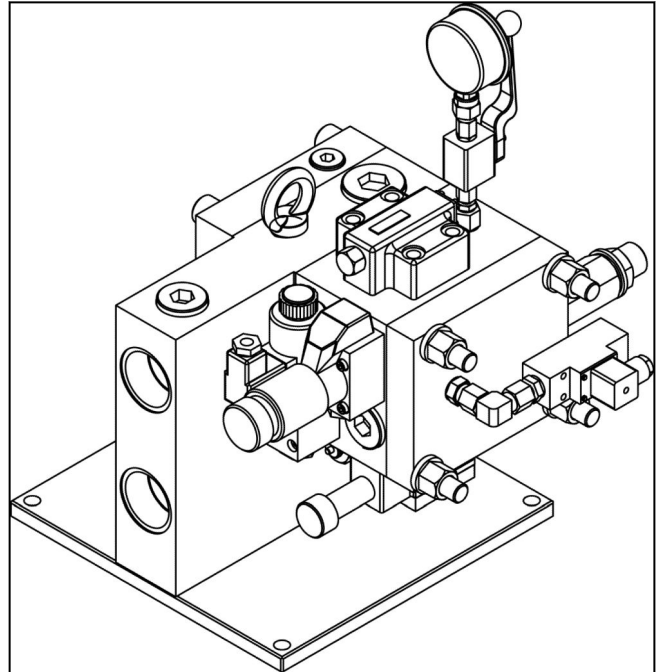
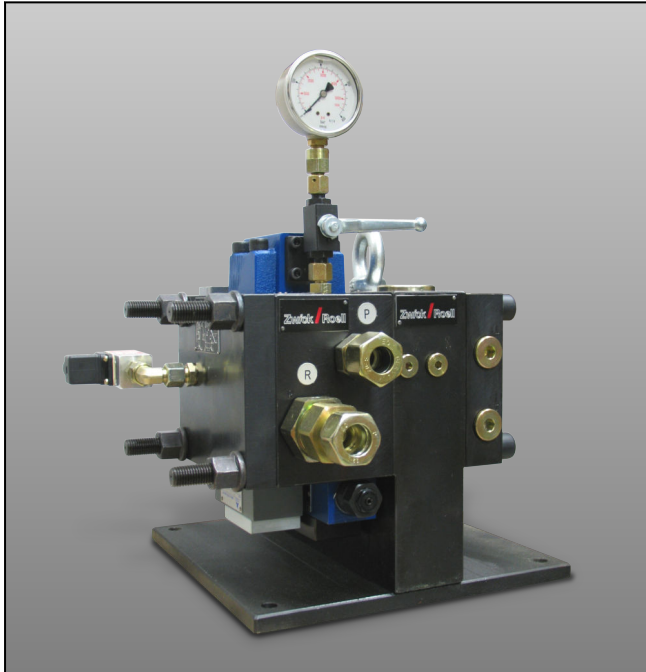


## Product Information

### Hydraulic distribution unit

CTA: 94739 94740



#### Range of application

Hydraulic distribution units act as an interface between a constant hydraulic supply and individual hydraulic consumers, servo-hydraulic testing actuators and testing machines. Reliable, accurate monitoring of pressure and flow is essential, as is controlled distribution to the various consumers.

#### Construction

The hydraulic distribution unit consists of a distribution column and, depending on the version, several switching manifolds.

The distribution column acts as a connecting and mounting unit on which the manifolds are mounted. Hydraulic pressurized oil, return oil and leakage oil lines are connected directly to the distribution column, as are the accumulators.

#### Advantages and features

- specifically designed for the exacting demands of hydraulic servo controllers
- three different pressure settings:
  - Off: pressure and return oil lines both disconnected from the hydraulic supply
  - Setup mode: reduced output mode in which pressure and flow-rate are controlled
  - Testing mode: full system-pressure and flow volume

- controlled soft start enables monitored constant pressure-rise for the servo-hydraulic testing system; units feature user-definable pressure-increase times:
  - 0 → L: gradual pressure increase from Off to Low
  - L → H: gradual pressure increase from Low to High
- pilot-operated check-valves ensure device is switched off in the event of hose failure or sudden pressure-drop
- manifolds provided with manometer
- modular construction allows expansion of system at a later date.

## Product Information

### Hydraulic distribution unit

#### Technical data

Distribution columns/nominal flow <sup>1)</sup>	250	250	500	500	500	l/min
Max. number of switching manifolds <sup>1)</sup>	4	2	8	4	2	
Nominal flow-rate of switching manifold	65	125	65	125	250	l/min
System pressure	210 to 280	210 to 280	210 to 280	210 to 280	210 to 280	bar
Low pressure-rate and flow-rate monitoring						
pressure range	1 to 10	1 to 10	1 to 10	1 to 10	1 to 10	bar
flow range	2 to 25	2 to 25	2 to 25	2 to 25	2 to 25	l/min
Control voltage	24	24	24	24	24	V DC
Power consumption, max.	2.6	2.6	2.6	2.6	2.6	A DC
Hose connections (distribution columns):						
P (high pressure) – 1x	G 1½	G 1½	G 2	G 2	G 2	BSP P
R (return oil) - 1x	G 1½	G 1½	G 2	G 2	G 2	BSP P
L (leakage oil) - 1x	G ¾'	G ¾'	G ¾'	G ¾'	G ¾'	BSP P
Hose connections (switching manifold):						
P (high pressure) – 1x	G ¾'	G 1	G ¾'	G 1	G 1½	BSP P
R (return oil) - 1x	G ¾'	G 1	G ¾'	G 1	G 1½	BSP P
L (leakage oil) - 1x	G 1½	G 1½	G 1½	G 1½	G 1½	BSP P

1) An order item comprises the distribution column plus the required number of switching manifolds.

#### Accessories on application

- Accumulators:  
provide the hydraulic energy required to ensure peak flow-rate demands.
- Filters:  
options for additional protection for the hydraulic testing system against contamination.
- Hydraulic hose sets:  
for optimum, customized connection to consumers, in various lengths and nominal flow-rates.