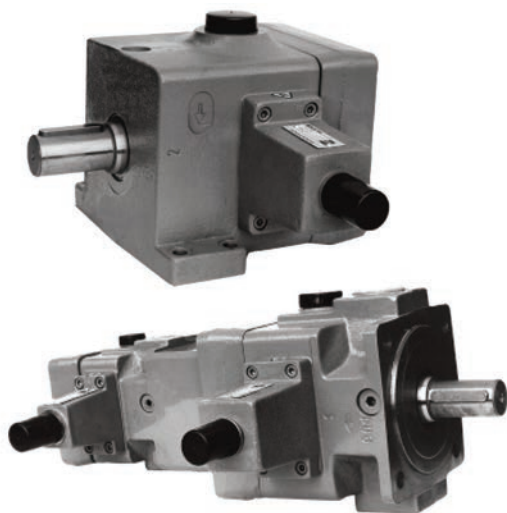


12.6.1 VANE PUMPS

We offer many types of hydraulic vane pumps, applied in stationary and mobile machines.

Pumps of the following types may come as one-and multi-section pumps. To supplement the pumps, we sell and offer a wide range of connectors and couplings.

We also offer repairs of the pumps we manufacture.



12.6a

Primary performance data:

Operating pressure: up to 16 Mpa

Capacity: up 100 cm³/rev

12.6.2 HYDRAULIC VALVES

The wide section of valves offered is divided into groups, depending on the valve's mounting and function in the hydraulic system.

Check valves:

Check valve with threaded connection type **WS**

Nominal size 6, 8, 10, 15, 20, 25, 30

Operating pressure up 31.5 Mpa

Opening pressure 0.05 ÷ 0.3 MPa

Flow up to 400 l/min

Cartridge check valve type W... **UZZD**

Nominal size 6, 10, 20, 32

Operating pressure up 31.5 Mpa

Opening pressure 0.05 ÷ 0.3 MPa

Flow up to 360 l/min

Check valve type W... **UZZB** and

For sub-plate mounting

Nominal size 6, 10, 20, 32

Operating pressure up 31.5 Mpa

Opening pressure 0.05 ÷ 0.3 MPa

Flow up to 400 l/min

Check valve type W... **WZZC**

For sandwich plate mounting between sub-plate and directional spool valve

Nominal size 6, 10

Operating pressure up to 32 Mpa

Opening pressure 0.05 Mpa

Flow up to 80 l/min

Pilot operated twin check valve (hydraulic lock) type W...**Z2S**

For sandwich mounting between sub-plate and directional spool valve

Nominal size 6, 10, 16, 22

Operating pressure up to 31.5 Mpa

Opening pressure 0.1 Mpa

Flow up to 300 l/min

Pilot operated check valve-type W...**UZZB**

For sub-plate mounting

Nominal size 6, 10, 20, 32

Operating pressure up to 32 Mpa

Opening pressure 0.05 Mpa

Flow up to 360 l/min



12.6b

Pressure relief valves:

Direct operated pressure relief valve W...**DBD**

sub-plate mounting, for threaded connection or cartridge design for use as a safety valve

Nominal size 6, 10, 20, 30

Operating pressure up to 63 Mpa

Flow up to 250 l/min

Operating pressure up to 63 Mpa

Flow up to 400 l/min

Pressure relief valve type W...**UZPR**

For sandwich mounting between sub-plate and directional spool valve

Nominal size 6, 10

Operating pressure up to 31.5 Mpa

Flow up to 80 l/min

Pilot operated pressure relief valve W..**DB**
for sub-plate mounting or threaded connection
Optional unloading by electrically operated spool valve type W..**DBW**
Nominal size 10, 20, 30
Operating pressure up to 31.5 Mpa
Flow up to 600 l/min

Pressure reducing valves:

Pilot operated pressure reducing valve W..**DR**
For sub-plate mounting or threaded connection
Nominal size 10, 20, 30
Operating pressure up to 31.5 Mpa
Flow up to 600 l/min

Direct operated pressure reducing valve W..**DR5DP**
For sub-plate mounting
Nominal size 5
Operating pressure up to 21 MPa
Flow up to 15 l/min

Direct operated pressure reducing valve W..**UZR6**
For sub-plate mounting
Nominal size 6
Operating pressure up to 21 MPa
Flow up to 30 l/min

Pressure reducing valve type W..**UZRC**
for sandwich plate mounting between sub-plate and directional spool valve
Nominal size 6, 10
Operating pressure up to 29 MPa
Flow up to 50 l/min

Pressure sequencing valves:

Pressure sequence valve type W..**DZ5DP**
For sub-plate mounting
Nominal size 5
Operating pressure up to 21 MPa
Flow up to 15 l/min

Pressure sequence valve type W..**UZKB6**
For sub-plate mounting
Nominal size 6
Operating pressure up to 21 MPa
Flow up to 30 l/min

Pressure sequencing valve type W..**UZKP**
For sub-plate mounting
Nominal size 10, 20, 30
Operating pressure up to 31.5 Mpa
Flow up to 400 l/min

Pressure sequence valve type W..**UZKC**
For sandwich plate mounting
Nominal size 6, 10
Operating pressure up to 21 MPa
Flow up to 50 l/min

Flow control valves:

Throttle and throttle check valve W..**MK/MG**
For threaded connection with BSP thread
Nominal size 6, 8, 10, 15, 20, 25, 30
Operating pressure up to 31.5 Mpa
Flow up to 400 l/min

Twin throttle check valve W..**Z2FS**
For sandwich plate mounting between sub-plate and directional spool valve
Nominal size 6, 10, 16, 22
Operating pressure up to 31.5 Mpa
Flow up to 300 l/min

Flow regulator type W..**FRM/UDRD**
For sub-plate mounting
Nominal size 5, 6, 10, 16
Operating pressure up to 31.5 Mpa
Flow up to 160 l/min

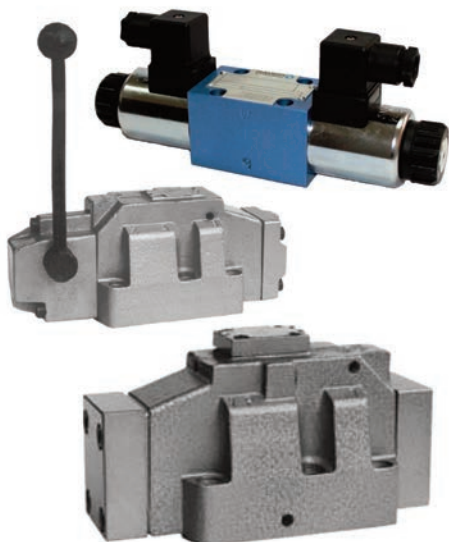
Cartridge throttle and flow control W..**UDSD-UDZD-UDDD-UDUN-UDRN**
Nominal size 6
Operating pressure up to 29 MPa
Flow up to 45 l/min

Flow regulator type W..**VRFB90**
Size 1/4" – 3/8" – 1/2" – 3/4"
Operating pressure up to 40 MPa
Flow up to 80 l/min

Flow regulator with check valve W..**VRFU90**
Size 1/4" – 3/8" – 1/2" – 3/4"
Operating pressure up to 40 MPa
Flow up to 80 l/min

12.6.3 DIRECTIONAL SPOOL VALVES

We offer of a wide selection of directional spool switching valves, optionally integrated with miscellaneous control elements for wide range of applications.



12.6c

Directional spool valve, type W...**WE**
2 – or 3 way, electrically operated (DC or AC)
for sub-plate mounting
Nominal size 5, 6, 10
Operating pressure up to 31.5 Mpa
Flow up to 120 l/min

Directional spool valve, type W...**WMM**
2- or 3 way, hand lever operated for
for sub-plate mounting
Normal size 5, 6, 10, 16, 22, 32
Operating pressure up to 35 MPa
Flow up to 1100 l/min

Directional spool valve, type W...**WH**
2-or 3 way, hydraulically operated,
For sub-plate mounting
Nominal size 6, 10, 16, 22, 32
Operating pressure up to 35 Mpa
Flow up to 1100 l/min

Directional spool valve, type W...**WMD**
2 – or 3 way, knob operated
For sub-plate mounting
Nominal size 5, 6, 10
Operating pressure up to 31.5 Mpa
Flow up to 100 l/min

Directional spool valve, type W...**WEH**
2 or 3 way, electro-hydraulically operated
For sub-plate mounting
Nominal size 16, 22, 32
Operating pressure up to 35 Mpa
Flow up to 1100 l/min

Directional spool valve, type W...**WMR**
2 or 3 way, mechanical roller operated
For sub-plate mounting
Nominal size 5, 6, 10
Operating pressure up to 31.5 Mpa
Flow up to 100 l/min

We offer sub-plates for all types of directional spool valve. Optional requirements upon request. Electro-hydraulic spool valves can optionally be provided with switching time setting, stroke adjustment or limit switch.

Reproduction is forbidden.

In the spirit of continuous improvement, our products may be changed.

