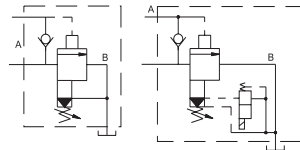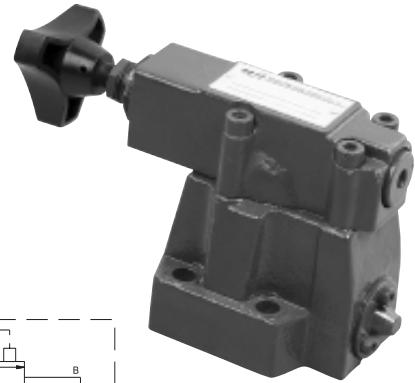# DA/DAW SERIES PILOT OPERATED UNLOADING VALVES

DA/DAW series are pilot operated pressure unloading valves. This series are used to unload the oil pumps´ pressure in a hydraulic system with accumulator. The valve allows high-pressure pump to operate and low-pressure pump to unload pressure.

DA   DAW

DA W 10 A - 1 * 30 / 80 Y G24 N Z4 / V *

Model

For further details

No code=Without directional valve
W= With directional valve

No code=NBR seals for petroleum oils
V=FPM seals for phosphate ester

Size=10; 20; 30

Z5L=Quadrate plug with light

A=Normally closed; B=Normally open

No code=Without manual override
N=With manual override

1=Adjustable knob
2=Hexagonal nut and protective cap
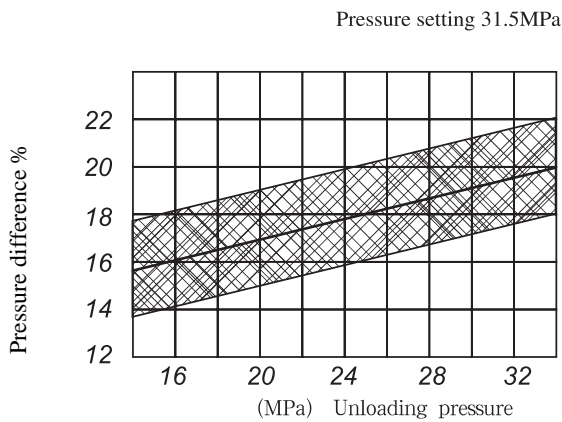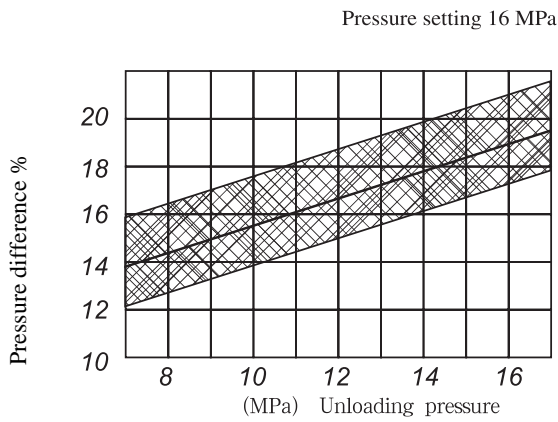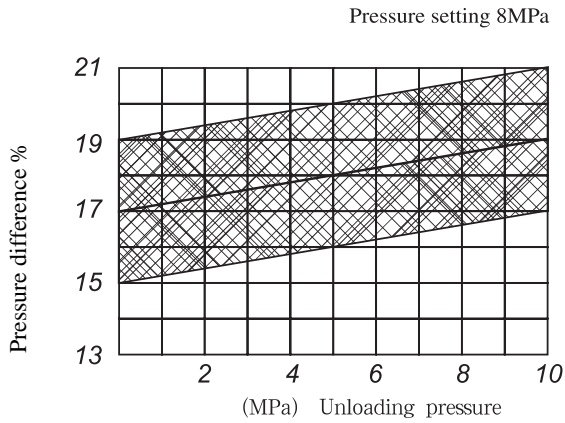
W220=AC 220V; G24=DC 24V

Series Number

80=2-8MPa; 160=8-16 MPa; 315=16-31.5 MPa

No code=Internally piloted, internally drained
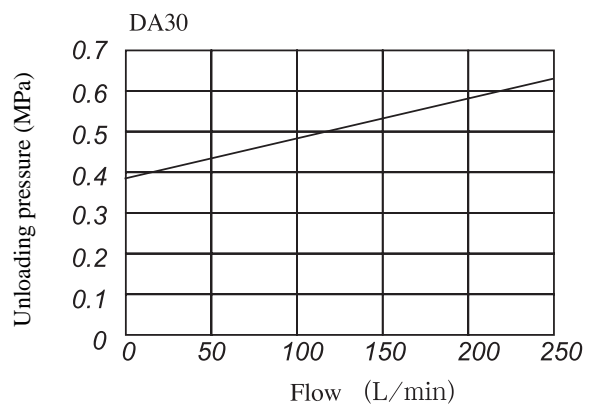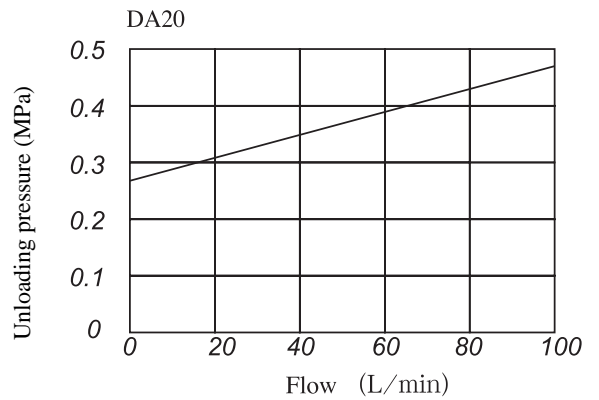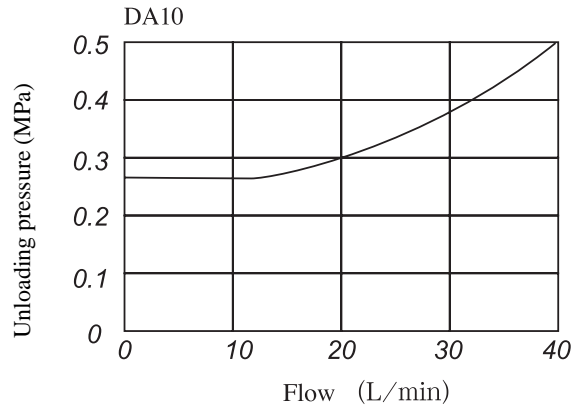Y=Internally piloted; externally drained

▶ Pressure difference from P-T of a pump

Unloading pressure from P-A of a pump

Pressure setting 8MPa

Pressure difference %

(MPa) Unloading pressure

DA10

Unloading pressure (MPa)

Flow (L/min)

Pressure setting 16 MPa

Pressure difference %

(MPa) Unloading pressure

DA20

Unloading pressure (MPa)

Flow (L/min)

Pressure setting 31.5MPa

Pressure difference %

(MPa) Unloading pressure

DA30

Unloading pressure (MPa)

Flow (L/min)

(Control range in hatching area)

Technical data

Size	10	20	30
Input pressure of A port (MPa)	31.5		
Max. Flow	40	100	250
Fluid temperature (ºC)	-20~70		
Filtration	25		

DA10

- 94
- 42.9
- 35.8
- 34.5
- 19.8
- 7.2
- 4-M10/20
- A P T
- 3-⌀10
- 66.7
- 84

DA20

- 158
- 112.7
- 101.6
- 57.1
- 46
- 31
- 12.7
- 6-M16/25
- A P T
- 3-⌀25
- 66.9
- 103

DA30

- 199
- 139.7
- 127
- 63.5
- 50.8
- 44.5
- 12.7
- 6-M18/25
- A P T
- 3-⌀32
- 82.5
- 118.5