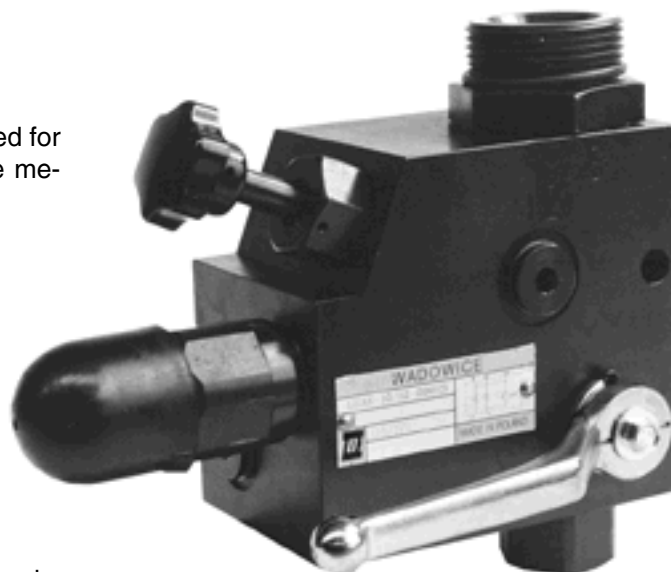


APPLICATION

Hydraulic accumulator protection and cut-off unit is used for connecting hydraulic accumulator to the system while meeting safety requirements.



DESIGN DESCRIPTION

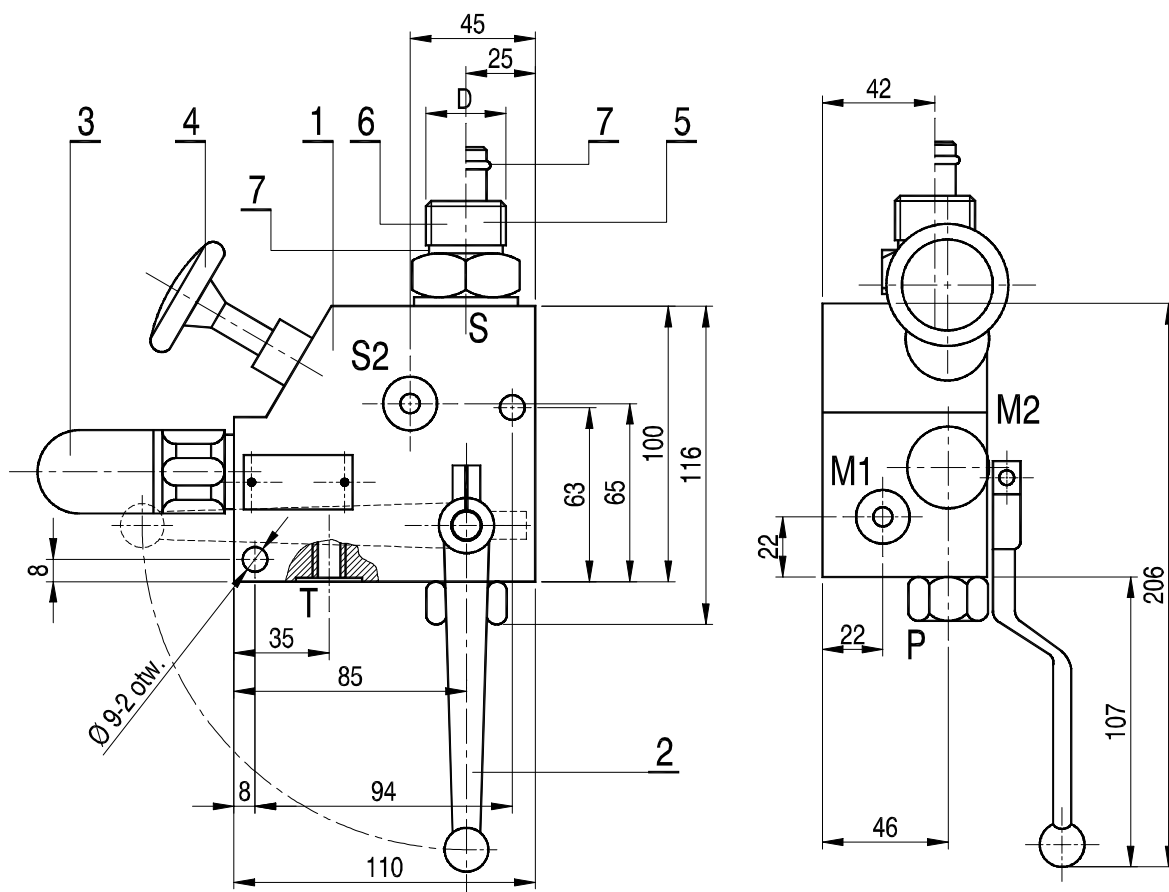
The unit consists of a housing incorporating the following sub-units:

- ball cut-off valve for connecting and disconnecting the accumulator with the hydraulic system
- manual relief valve for safe unloading of accumulator after cut-off
- safety valve for system protection - with **CE** approval; if a unit with **CE** approval valve is ordered, it is set to required pressure and sealed

TECHNICAL DATA

Working fluid	Mineral oil
Optimum working temperature range	258 up to 343 K (-15 up to 70 °C)
Max working pressure	36 MPa
Housing construction material	Steel
Safety valve type	DBDS6K... wg WK 450 610
Required oil filtration	up to 16 µm
Weight	5,2 kg

OVERALL AND MOUNTING DIMENSIONS

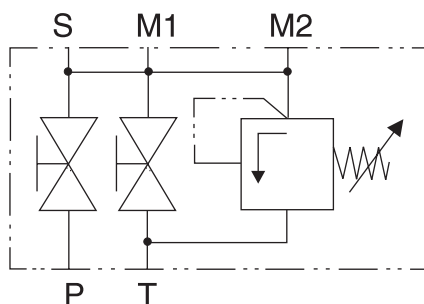


- 1- Unit
- 2- Accumulator cut-off valve
- 3- Safety valve
- 4- Manual relief valve
- 5- Accumulator connection Hydac (H)
- 6- Accumulator connection Eppensteiner (E)
- 7- Sealing ring

Connection dimensions:

- M1; M2** - G1/4 - pressure gauge connections
 - P** - G1/2 - pump connection
 - T** - G3/8 - tank connection
 - S (D)** - accumulator connection
- for Eppensteiner accumulators:
G1/2; G3/4; G1 1/4; G2
 for Hydac accumulators
G3/4; G1; G1 1/4

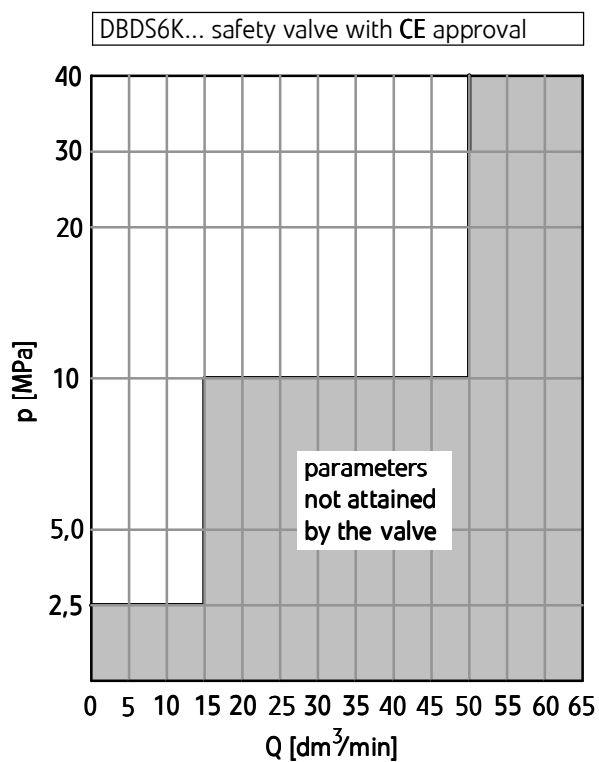
SYMBOL



PERFORMANCE CURVES

measured at viscosity $\nu = 41 \text{ mm}^2/\text{s}$ and temperature $t = 50^\circ\text{C}$

DBDS6K... safety valve flow lines



HOW TO ORDER

UZA E10 /				*
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Series number	
(10-19) - installation and connection dimensions	
unchanged	= 1X
series 13	= 13

Safety valve approval	
no approval	= no designation
with CE approval	= C

Safety valve setting	
up to 2,5 MPa	= 25
up to 5 MPa	= 50
up to 10 MPa	= 100
up to 20 MPa	= 200
up to 31,5 MPa	= 315
up to 33 MPa	= 330
up to 36 MPa	= 360
for valves with CE approval specify pressure setting (factory setting and sealing)	

Accumulator connections	
for Eppensteiner accumulators	
G1/2 thread	= E1
G3/4 thread	= E2
G1 1/4 thread	= E3
G2 thread	= E4
for Hydac accumulators	
G3/4 thread	= H1
G1 thread	= H2
G1 1/4 thread	= H3

Further requirements in dear text
(to be agreed with the manufacturer)

NOTES:

Accumulator protection unit should be ordered according to the above coding.

The symbols in bold are preferred versions in short delivery time.

Coding example: UZAE10/13 C 275 E2

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