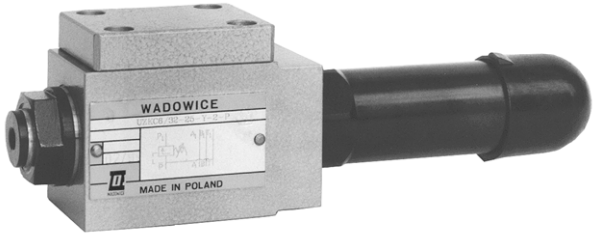
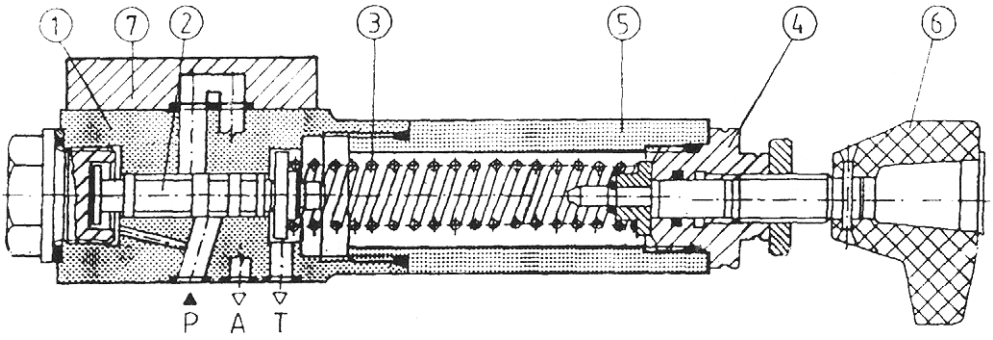
PONAR wadowice	Pressure sequence valve UZKB 6			WK 496 020
	NG 6	21 MPa	30 dm³/min.	04. 2000r.

Pressure sequence valve type UZKB 6 serves to control pressure in hydraulic systems. It can be well used as a direct operated pressure relief valve.



OPERATION DESCRIPTION



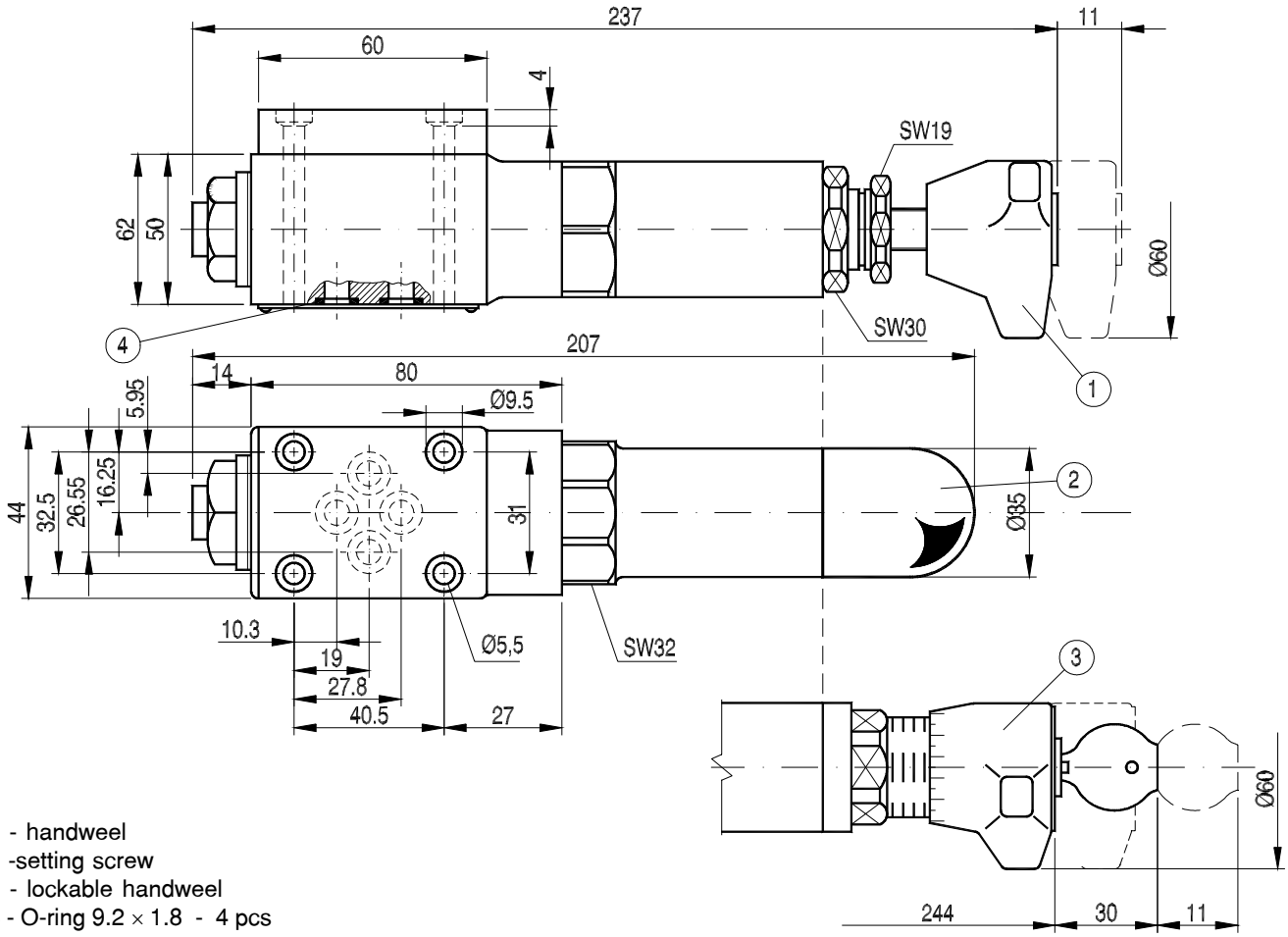
Spring force is adjusted by turning the handwheel (6) of the setting element. If control pressure overcomes the resistance of the spring (3), the control spool (2) moves and opens the connection P to P1.

The spool (2) in the housing (1) is pressure-loaded from port P and from opposite side spring (3) - loaded in relation to the spring deflection.

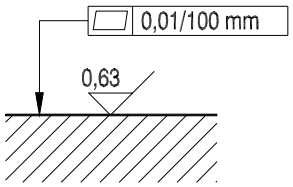
TECHNICAL DATA

Hydraulic fluid	Mineral oil, phosphate ester
Pressure in line A, P	up to 31,5 MPa
Adjustable sequence pressure (at T = 0 MPa)	up to 21 MPa
Pressure in line T	up to 1,5 MPa
Nominal fluid viscosity	37 mm^2 at temp. of 328 K
Viscosity range	2, 8 to 380 mm^2/s
Optimum working temperature (fluid in a tank)	313 - 328 K
Fluid temperature range	243 - 343 K
Required filtration	16 μm
Recommended filtration	10 μm
Weight	~ 1.2 kg

OVERALL DIMENSIONS

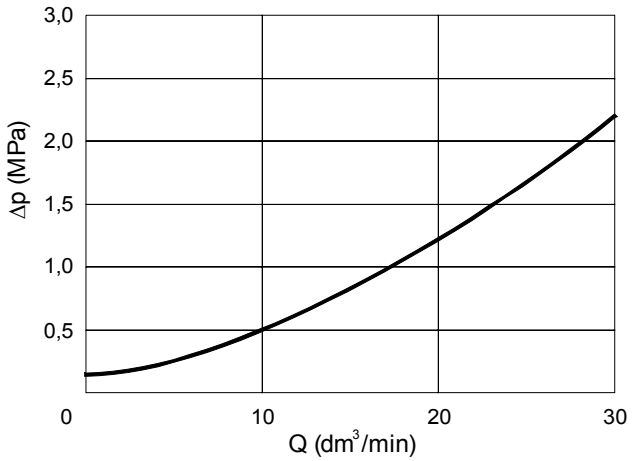


1 - handweel
2 -setting screw
3 - lockable handweel
4 - O-ring 9.2 × 1.8 - 4 pcs

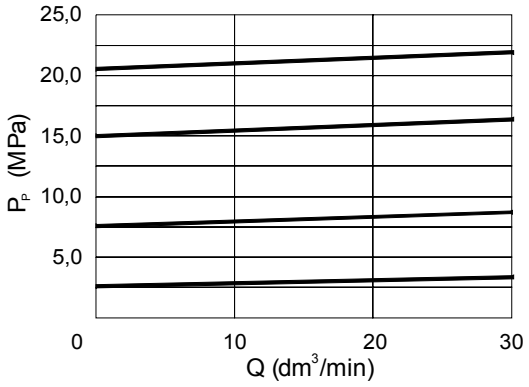


Permissible surface roughness
and flatness deviation for a subplate.

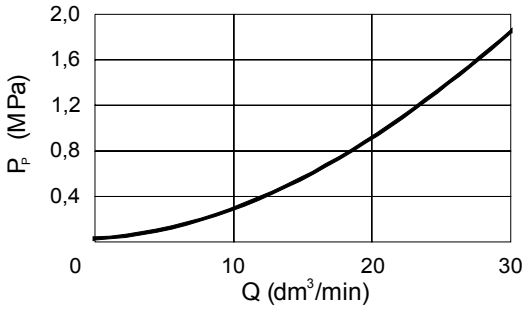
PERFORMANCE CURVES measured at ν = 41 mm²/s and T = 323 K



Pressure drop at the valve related to flow rate.

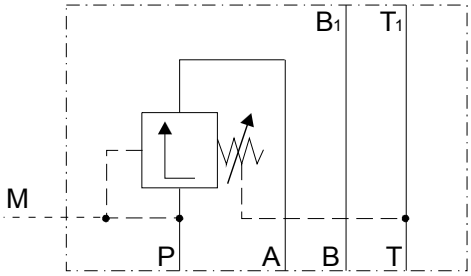


Inlet pressure related to flow

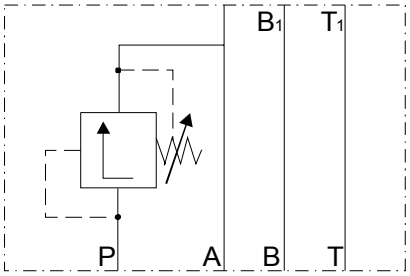


Max inlet pressure related to flow

HYDRAULIC DIAGRAMS



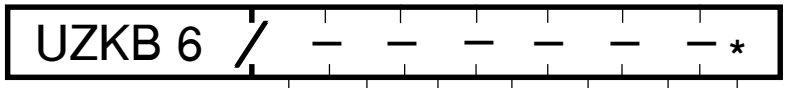
UZKB 6/22 -...-Y-...-P-...



UZKB 6/22 -...-W-...-P-...

HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer



Series number

22	= 22
(20 - 29) - installation and connection dimensions unchanged	

Pressure sequence range

up to 2.5 MPa	= 25
up to 7.5 MPa	= 75
up to 15,0 MPa	= 150
up to 21,0 MPa	= 210

Pilot supply and drain

Internal pilot supply external pilot drain via port T	= Y
Internal pilot supply, internal pilot drain	= W

Setting element

Handwheel	= 1
Setting screw	= 2
Lockable handweel	= 3

Optional accessory

With check valve (for valves in line P only)	= P

Sealing

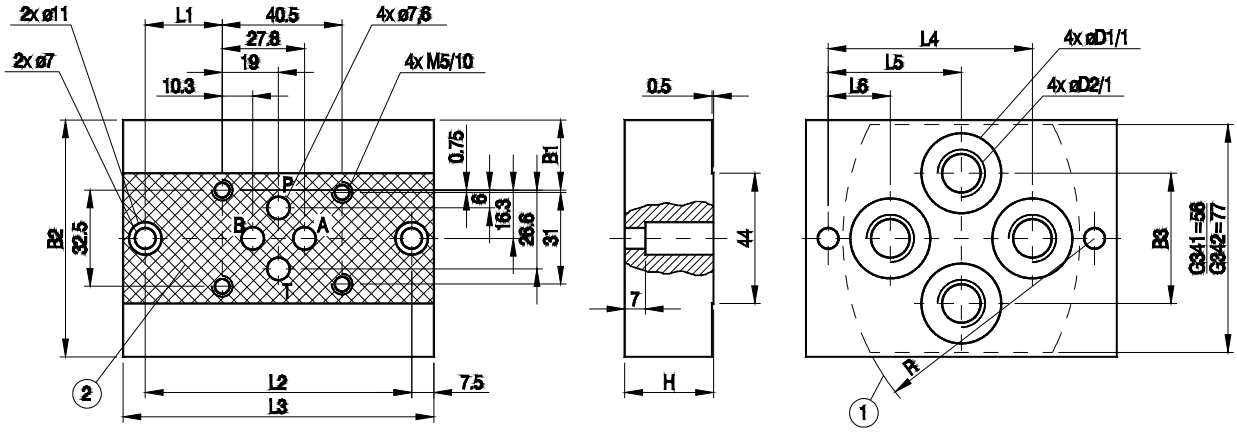
Suitable for mineral oils	= no design.
Suitable for phosphate-ester	= V

Further details in clear text (to be agreed with the manufacturer).

Coding example:

UZKB 6/ 22 - 25 - Y - 2 - P

CONNECTING DIMENSIONS OF SUBPLATE



1 - Recess in subplate face

Typ	B1	B2	B3	L1	L2	L3	L4	L5	L6	H	D1	D2	R	T
G341/01	12.7	58	34	21	80	95	55	40	25	25	22	G 1/4	70	13
G342/01	23.7	80	44	26	90	105	69	45	21	30	28	G 3/8	85	13
G341/02	12.7	58	34	21	80	95	55	40	25	25	22	M14x1.5	70	15
G342/02	23.7	80	44	26	90	105	69	45	21	30	27	M16x1.5	85	15

Subplate weight G 341 ... ~ 1 kg
Subplate weight G 342 ... ~ 1.9 kg

Subplate has to be ordered separately.

Bolts fixing valve to subplate - 4 pcs M5 × 65- 10.9 per PN/M - 82302 (DIN 912 - 10.9)
Tightening torque - 9 Nm.

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