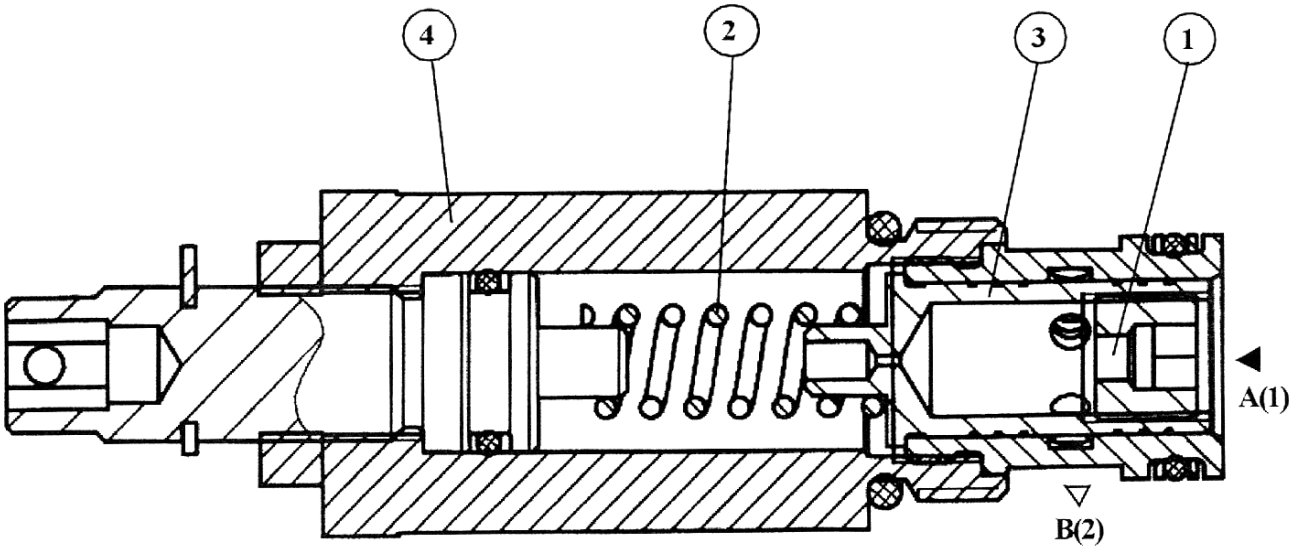
PONAR wadowice	Flow controller type UDRN 6			WK 496 630
	Size 6	29 MPa	30 dm³/min	04. 2000r.

APPLICATION

Controllers are used when constant flow rate must be maintained, irrespective of supply flow rate variations.

DESCRIPTION OF OPERATION

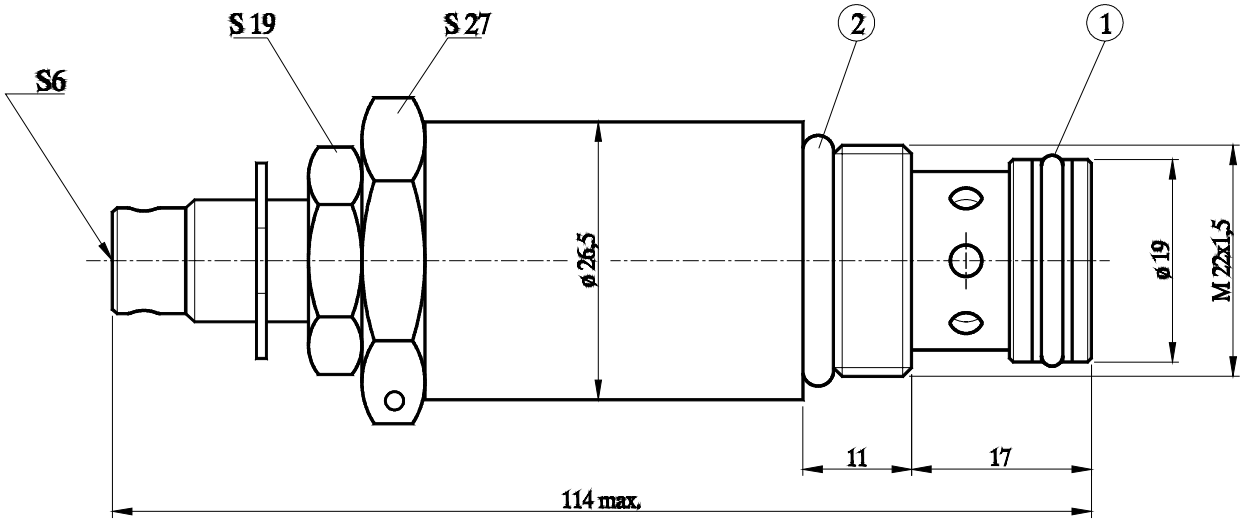
The stream flows into duct A(1). The flow of stream through nozzle 1 depends on pressure difference set with spring 2. Change of pressure (flow rate) on the supply side shifts plunger 3 in shell 4 to a new equilibrium position. In this position of plunger 3 oil bleeds through duct B(2) and constant flow is maintained.



TECHNICAL DATA

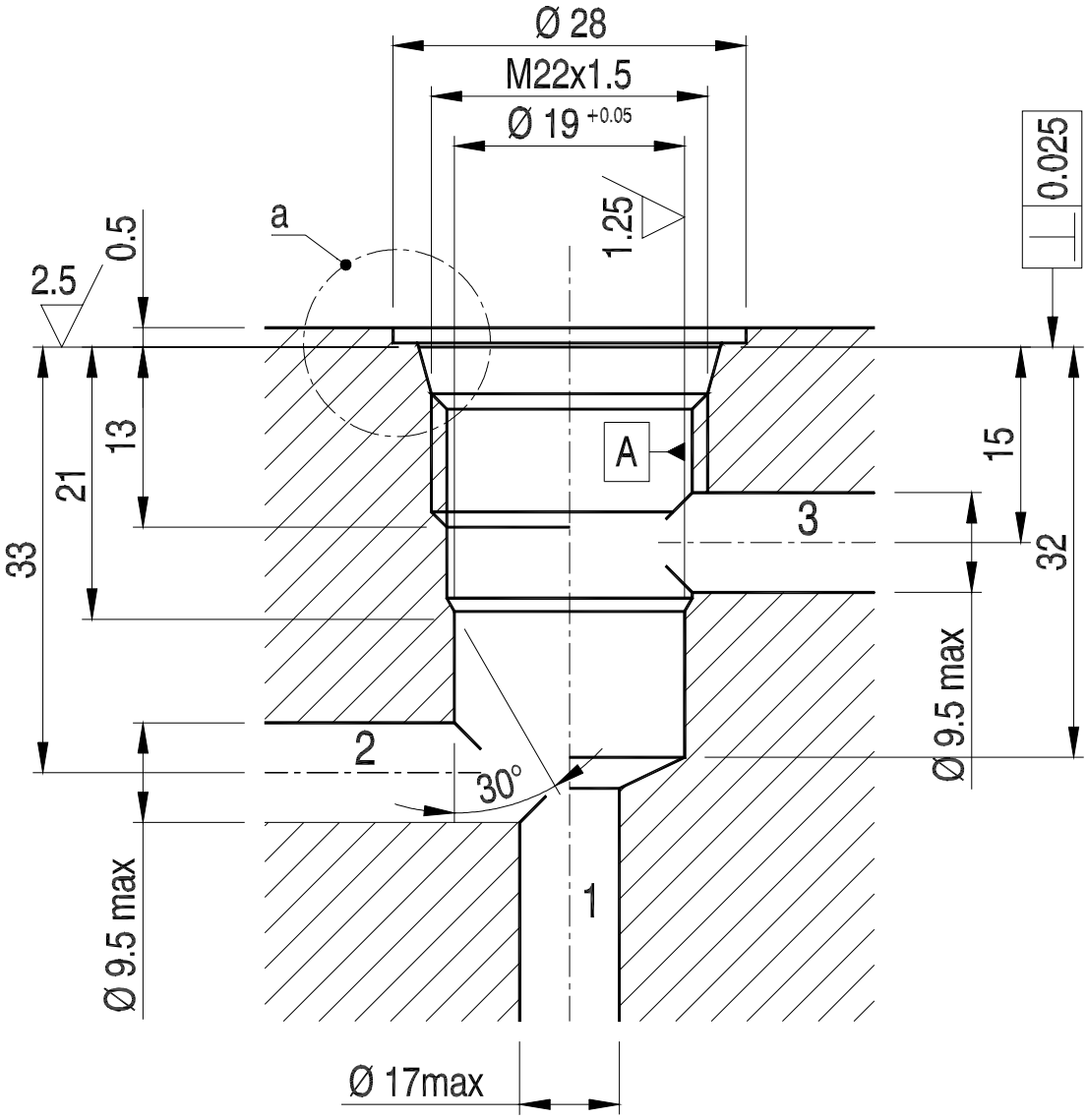
Working fluid	Mineral oil
Nominal fluid viscosity	37 mm^2 / s at temperature 328 K
Viscosity range	2,8 up to 380 mm^2 / s
Optimum working temperature range	313 up to 328 K
Fluid temperature range	243 up to 343 K
Max pressure	29 MPa
Nominal pressure	29 MPa
Max fluid flow	35 dm^3/min
Max regulatet fluid flow	30 dm^3/min
Min regulatet fluid flow	1 dm^3/min
Required fluid filtration	16 µm
Recommended fluid filtration	10 µm
Weight	0,25 kg

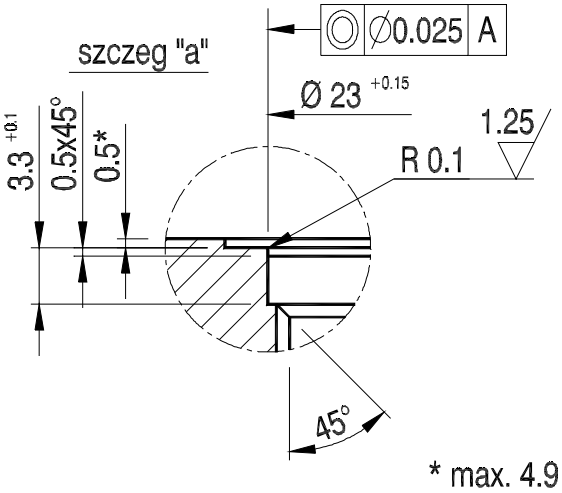
OVERALL DIMENSIONS



pos.1 O-ring 18 x 2,65
pos.2 O-ring 15 x 1,8

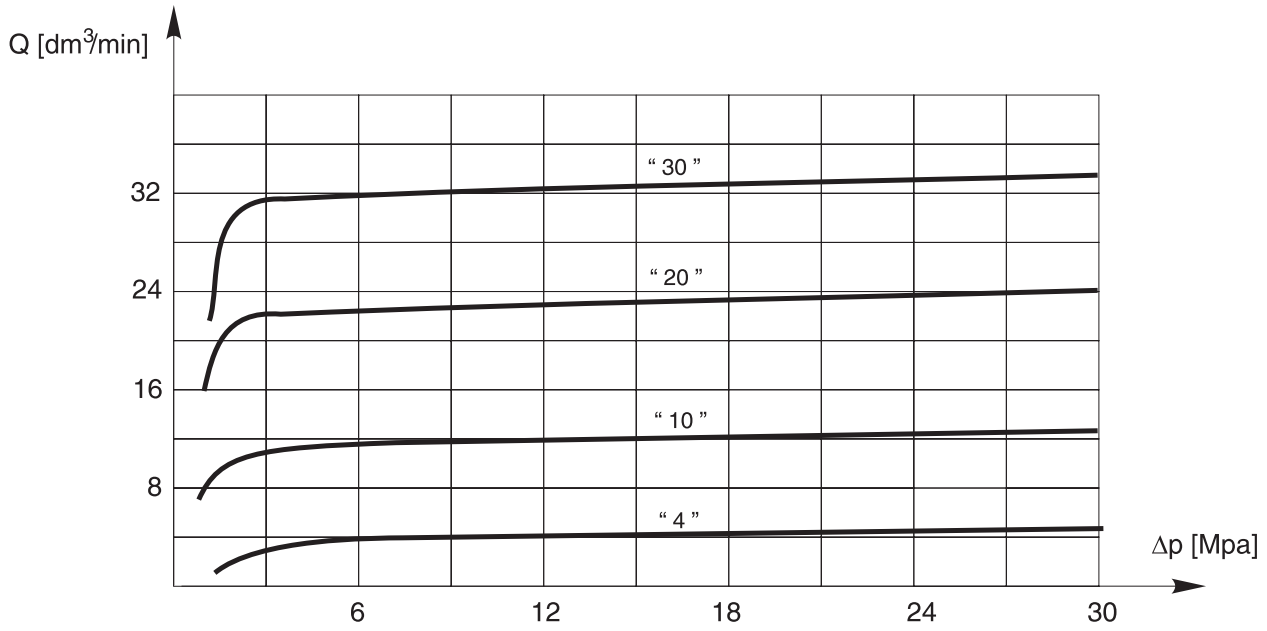
DIMENSIONS OF CAVITY





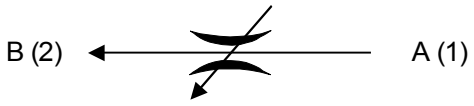
* max. 4.9

PERFORMANCE CURVES at ν = 41 mm²/s and temp. 323 K



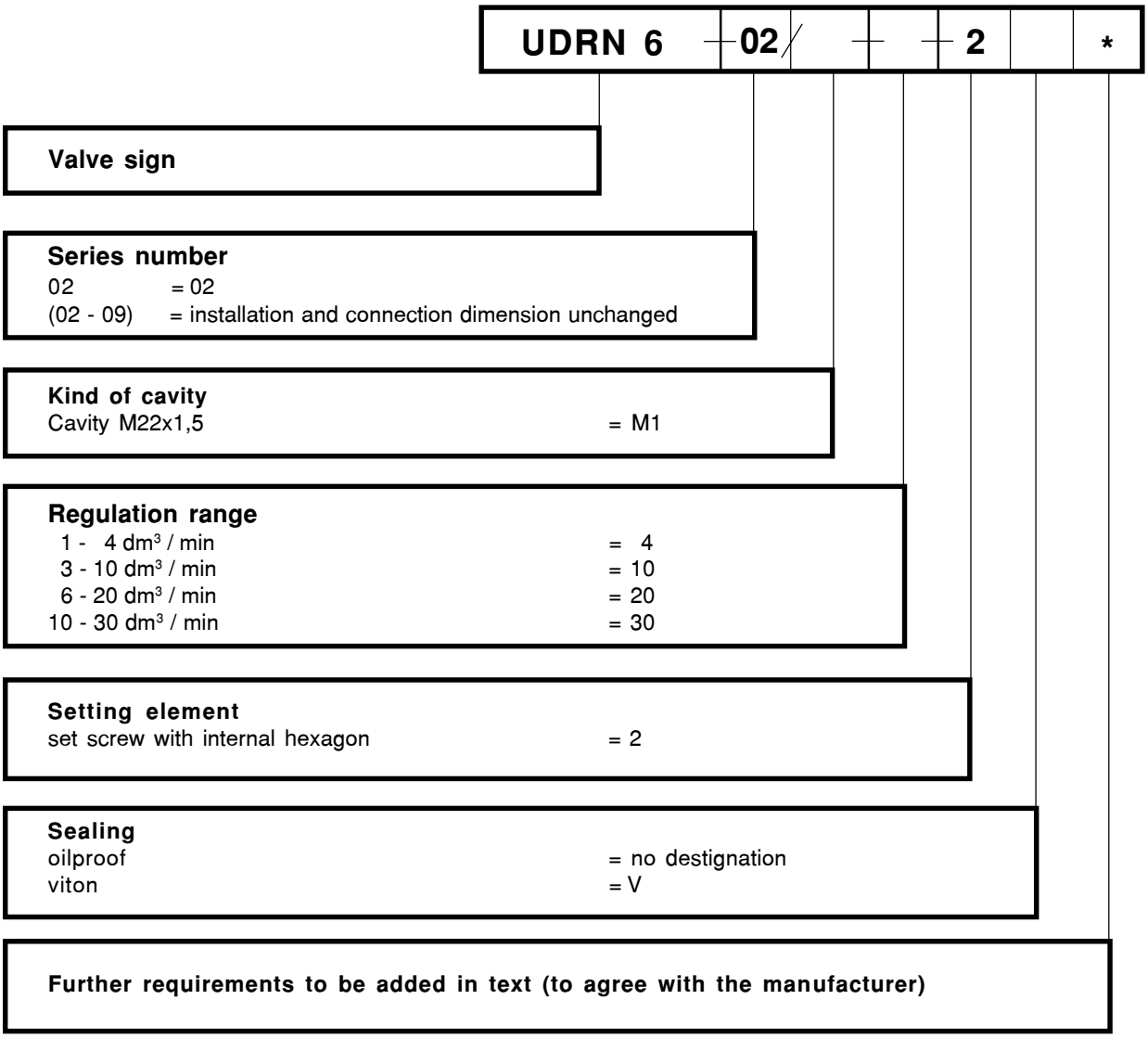
Regulated flow performec curves

GRAPHICAL SYMBOL



HOW TO ORDER

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



CODING EXAMPLE:

UDRN6 - 02/M1-10- 2

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ul. Wojska Polskiego 29
34-100 Wadowice
tel. 033/ 823 39 43, 823 30 41
fax 033/ 873 48 80
e-mail: ponar@ponar-wadowice.pl

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