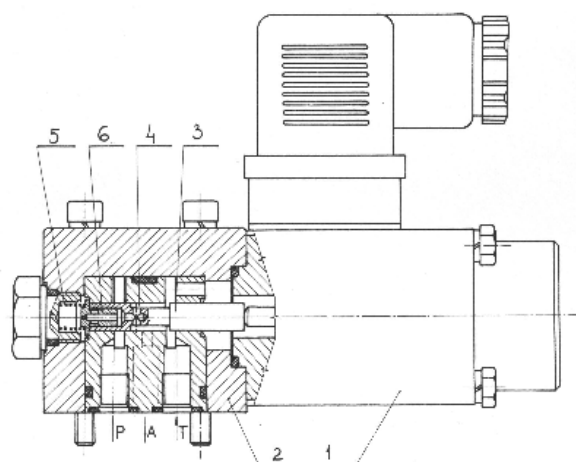
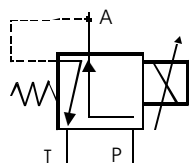


## Elektrohydraulic pressure reducing valve EHRV - 3V



Hydraulic diagram:



### Brief discription and function :

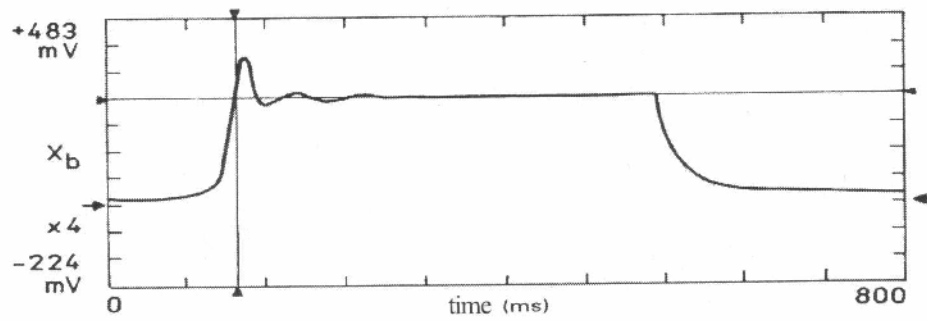
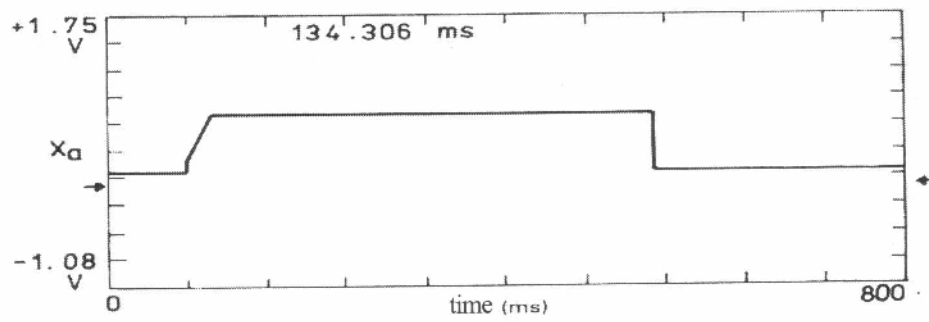
EHRV create proportional electromagnet and mechanical - hydraulic three way air pressure reducing valve. Proportional magnet generates strenght in due proportion electric current in perimeter of electromagnet on valve vehicle against strenght reducing inflation pressure at branch A and spring. Space spring is with space connection screen for improvement dynamic facilities near abrupt raising operative flow screen have by-pass for damping scabs inflation pressure from appliance. Near taking liquid appliance works left operative edge valve and by-passing liquid in direction P-A. Providing that pA overrun adaptation value, conclusion left edge P-A and works starboard valve look like compressive valve and by-passing liquid in direction A-T.

EHRV is used as operative member bigger compressive ant three-dimensional proportional ventilate and for exact continuous control inflation pressure in electrohydraulic operative perimeters.

### Technical data

PARAMETER	DIMENSION	SIZE
nominal clarity	mm	6
maximal inflation pressure - feeder line	MPa	5
feeder line and		0 ± 2,7
feeder line T		0,2
minimum feeding inflation pressure	MPa	3,5
min. regulable inflation pressure in and near nominal parameters	MPa	0,3
nominal flow	dm <sup>3</sup> min <sup>-1</sup>	8
hysteresis	%	5
linearity	%	5
date transition phenomenon	s	0,06
operating kinematic viscosity	mm <sup>2</sup> s <sup>-1</sup>	400 ± 12
operating temperature liquid	°C	-12 ± +80
size ambient temperature	°C	-40 ± +50
recommended filtration	mm	20
weight	kg	1,3
sort working liquid		mineral oils
ELECTRIC PARAMETER S		
operating voltage	V	24 ± 10%
maximum flow	A	1
rated current	A	0,65
terminal input power	W	23,5
resistance reel near 20 / 80 °C	Ohm	23,5/36
Brum (Dether) flow I/f	mA / Hz	100/80
Seiguard (DIN 40 050)		IP 65

## Dynamic characteristics EHRV-3V



$I = 100 \div 650 \text{ mA}$

$Q = 0 \text{ dm}^3 \text{ min}^{-1}$

$T_o = 78,9 \text{ ms}$

## Connecting and mounting dimensions

