

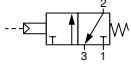
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - 3/2 Way Amplifier Valve

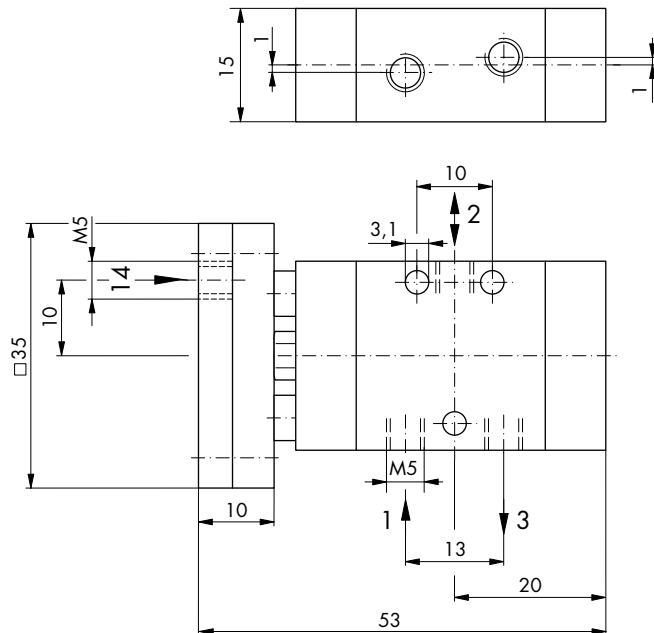
Technical information

Air consumption:	Approx. 2 l/min
Pressure range:	2-10 bar
Control pressure:	5... 100 mbar
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant: Operating medium:	Not required 5 micron filtered, lubricated or non-lubricated compressed air

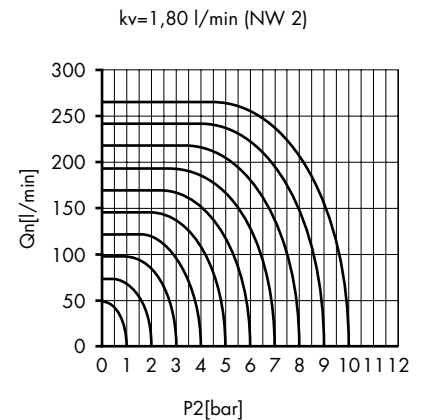


Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way spring return normally closed	Spool	2mm	M5	79.024

Dimensional drawings



Amplifier valves are used to switch line pressure valves from a low pilot pressure signal. A pressure signal between 5-100 mbar applied to the control port operates the valve.



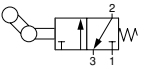
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - One Way Roller Lever

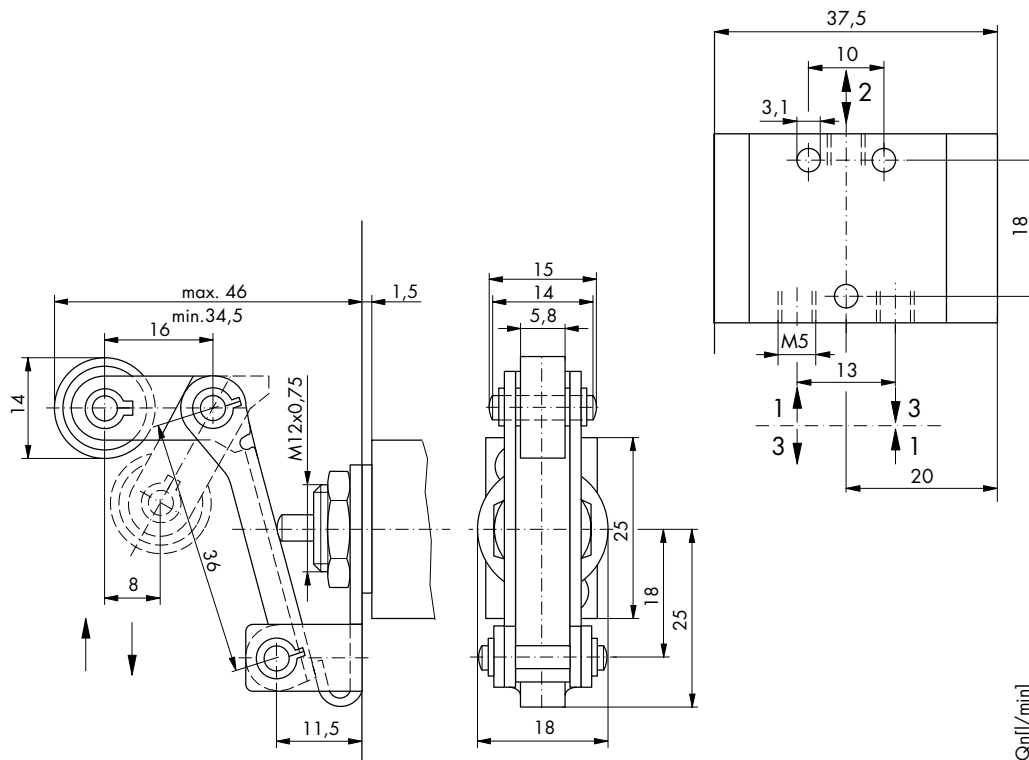
Technical information

Actuation force:	Approx. 4N
Pressure range:	0-10 bar
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way roller (one way) spring return normally closed	Spool	2mm	M5	79.023

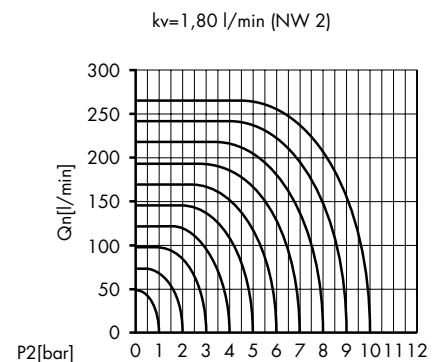
Dimensional drawings



Spare roller levers are available:

One Way

Order code: MM4930016



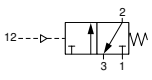
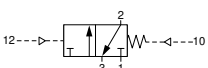
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - 3/2 Way Pilot Operated

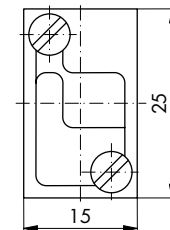
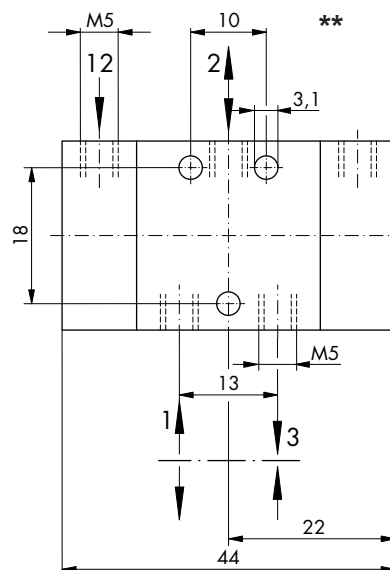
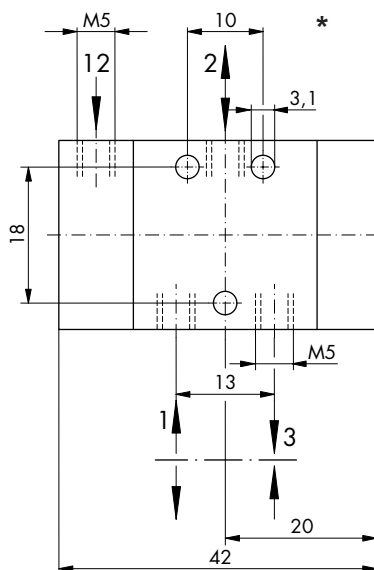
Technical information

Pressure range:	0-10 bar
Control pressure:	Min. 2 bar
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



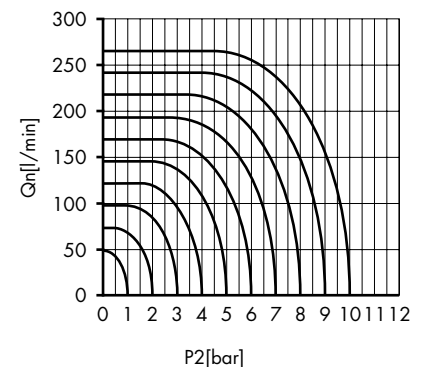
Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way spring return normally closed spring return*	Spool	2mm	M5	79.012
	3/2 way double pilot differential pressure valve**	Spool	2mm	M5	79.016

Dimensional drawings



**Differential pressure valves are used in pressure compensating circuits, valves can be used to maintain pressure in balancing or levelling applications. When both pilot pressures are equalised the valve is closed by the return spring.

kv=1,80 l/min (NW 2)



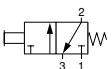
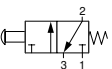
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - Plunger & Push Button

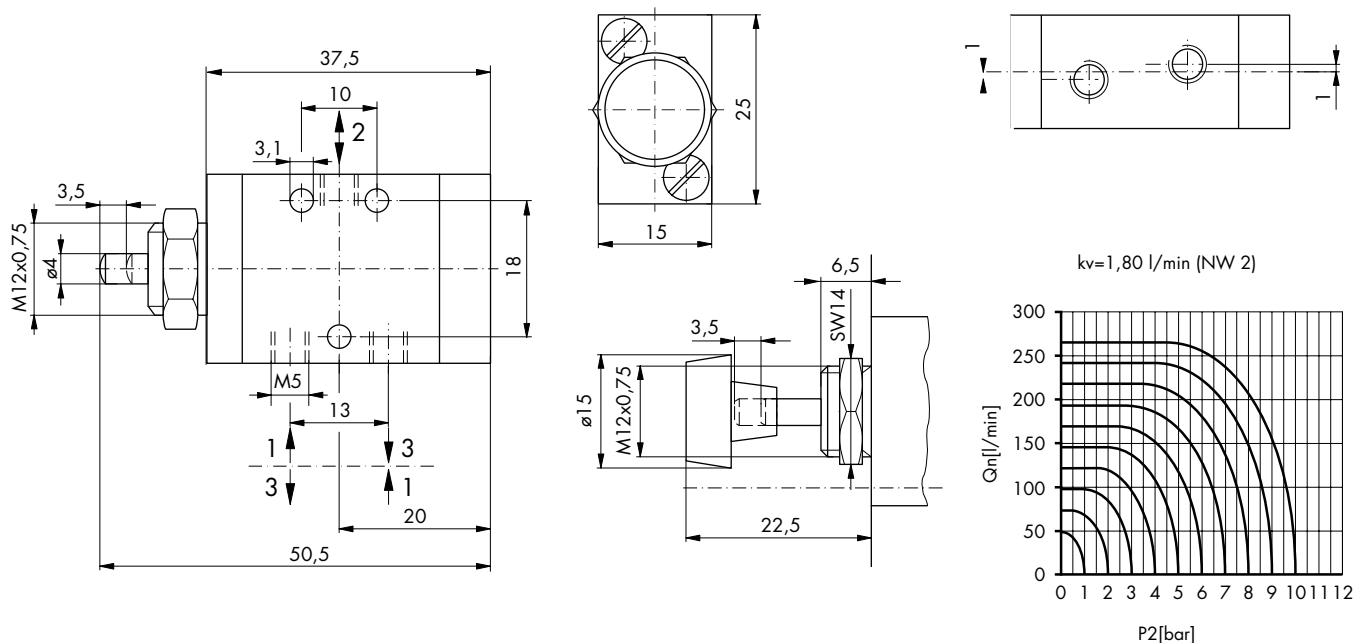
Technical information

Actuation force:	Approx. 8N
Actuation stroke:	Approx. 3.5 mm
Pressure range:	0-10 bar
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way plunger spring return normally closed	Spool	2mm	M5	79.020
	3/2 way push button spring return normally closed	Spool	2mm	M5	79.021

Dimensional drawings



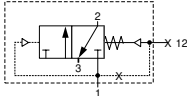
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - 3/2 Way Pulse Shaper

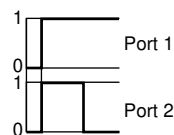
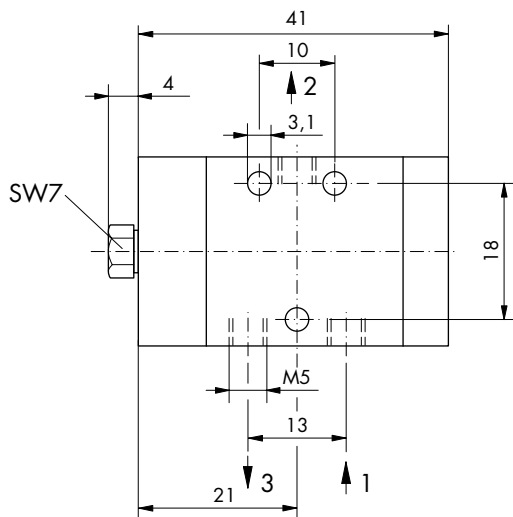
Technical information

Pressure range:	3-10 bar
Pulse length:	Approx. 80-140 ms @ 8 bar without added volume
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



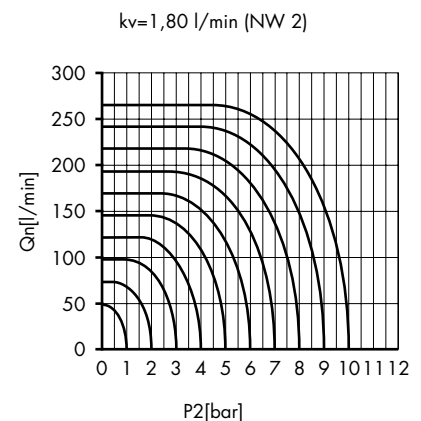
	Description	Type	Orifice	Ports	Order code
	3/2 way spring return pulse shaper valve	Spool	2mm	M5	79.036

Dimensional drawings



Input signal at 1
Output signal at 2

The pulse shaper valve converts a continuous signal into a pulse signal. This is particularly useful for providing count pulses to predetermining or totalising pneumatic counters. The typical pulse duration is between 80-140ms. The pulse duration can be lengthened by connecting an additional volume to port 12.



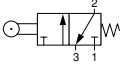
Miniature Pneumatic Valves

Kuhnke 79 Series Valve - Two Way Roller Lever

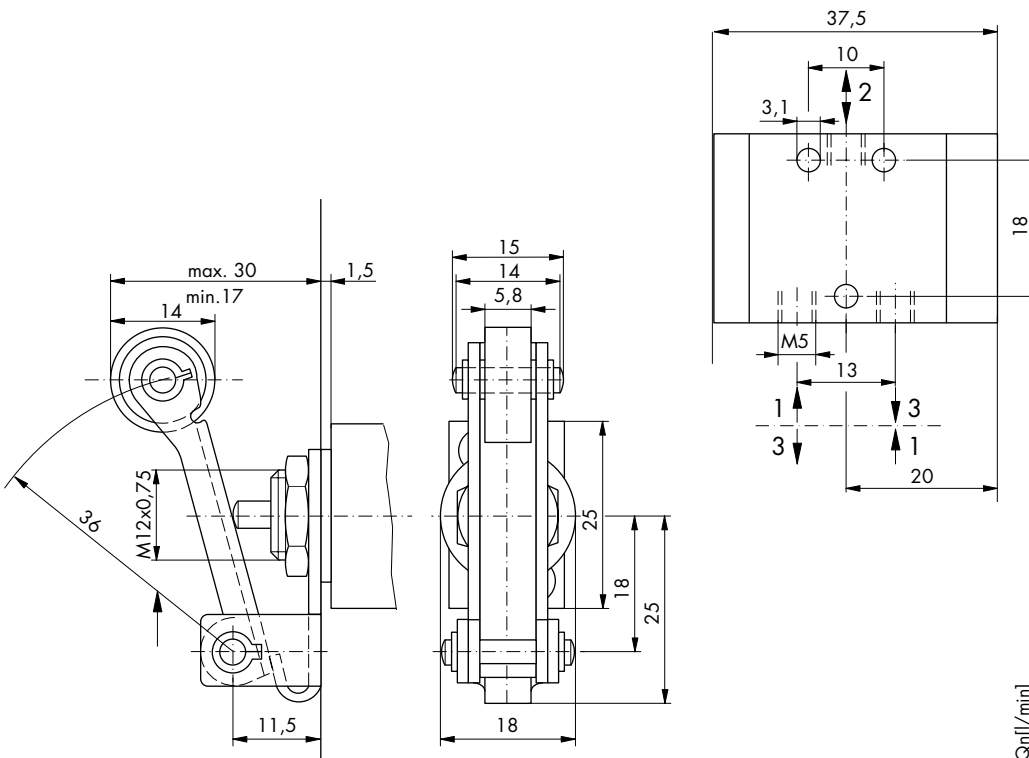
Technical information

Actuation force:	Approx. 4N
Pressure range:	0-10 bar
Temperature range:	-10°C...+70°C
Housing:	Aluminium alloy/Zinc alloy/Makrolon
Spool & liner:	Steel, corrosion resistant
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way roller (two way) spring return normally closed	Spool	2mm	M5	79.022

Dimensional drawings



Spare roller levers are available:

Two Way

Order code: MM4930017

