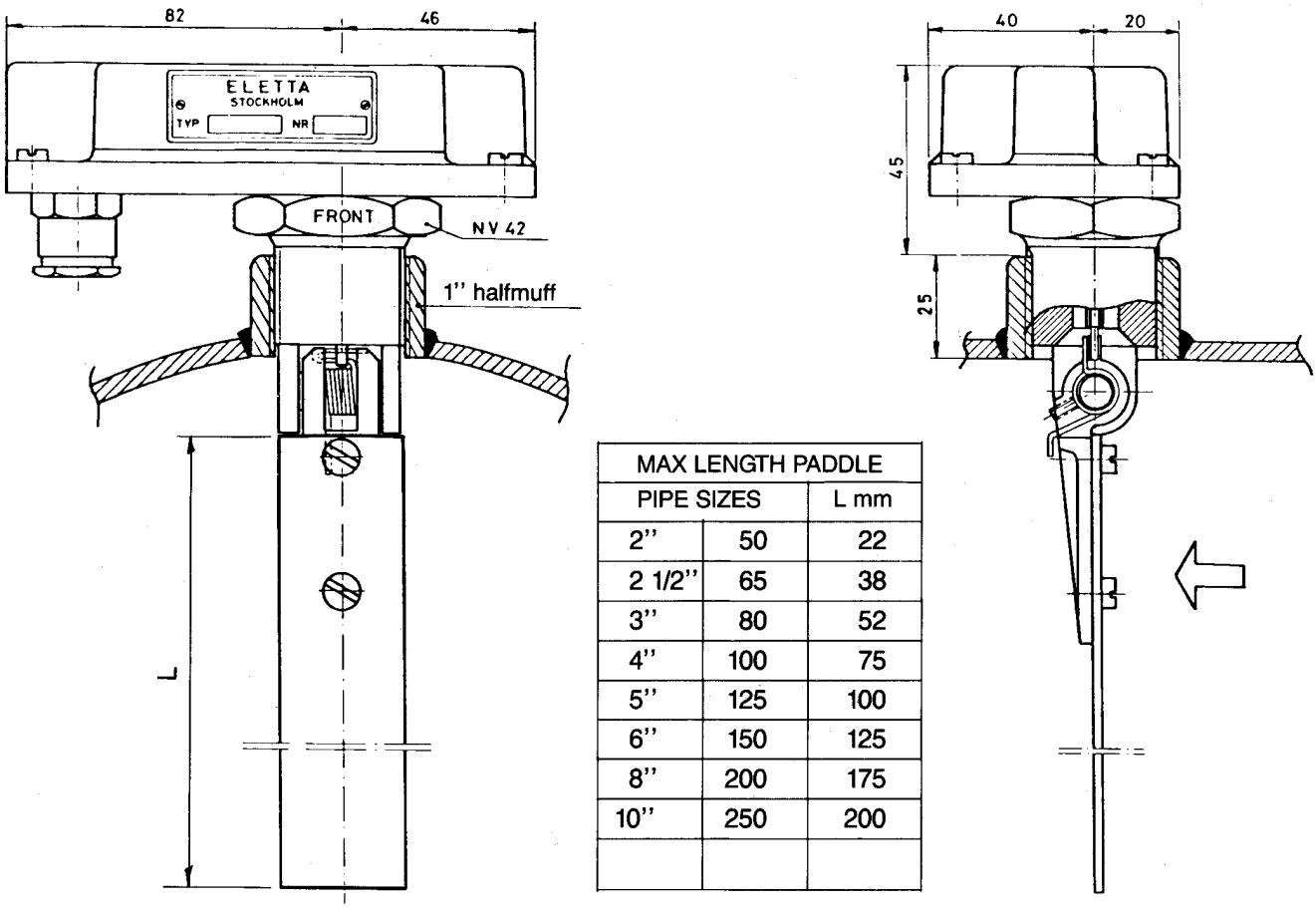
LIQUID FLOW RELAY PR 1

ELETTA's liquid flow relay PR 1 of paddle type is suitable for installations wherever a monitoring limit of 100 l/min and above is acceptable.

The signal function is dependent of pipe dimension and paddle length. The lowest switch-on value that can be obtained in a 2'' pipe is approx. 90 l/min=0.7 m/sec.
Corresponding value for a 6'' pipe is 240 l/min =0.2 m/sec.

The paddle is placed in a teflon sleeve which makes it swing in both directions. The paddle always aligns itself with the liquid flow and can therefore never be damaged by recoil surges. The signal function, however, works only in the pre-set flow direction.
The parts coming into contact with the medium are in standard execution made of copper alloy and stainless steel. Compression gland for the articulate transmission is made of viton.

TECHNICAL DATA



MAX LENGTH PADDLE		
PIPE SIZES		L mm
2"	50	22
2 1/2"	65	38
3"	80	52
4"	100	75
5"	125	100
6"	150	125
8"	200	175
10"	250	200

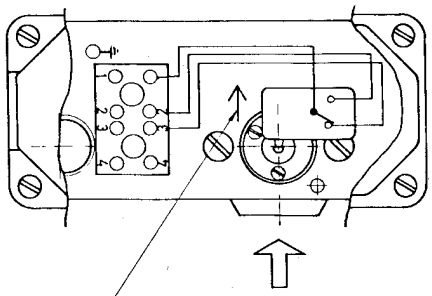
The relay is supplied with a paddle length to fit a 10" pipe. Before the assembly the paddle should be cut to the right size according to the table above.

DATA	
Working pressure	25 bar
Max. temperature	120°C (248°F)
Min. temperature	—40°C (—40°F)
Switch	Microswitch 1-pole 2-way
Breaking capacity at inductive or resistive load	5 A 220 VAC 7 A 12 VDC 1 A 24 VDC 0.4 A 48 VDC 0.05 A 110 VDC

MOUNTING

The relay is position-dependent and can only be installed in horizontal pipes with the impulse unit pointing upwards.
When installing make sure that the flow direction is in accordance with the arrow which is placed on the mounting plate.

A free pipe run of 3 times the pipe bore upstream and downstream is recommended.



When installing make sure that the flow direction is in accordance with the arrow.

We reserve the right to make design changes without prior notification.

ELETTA

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