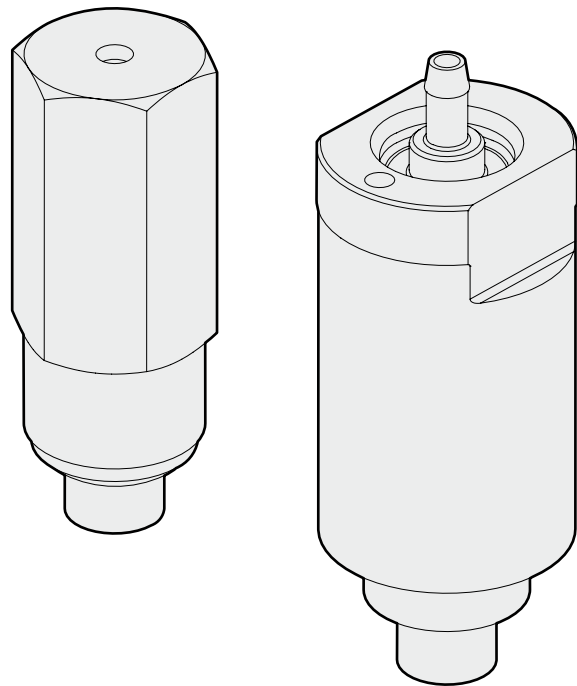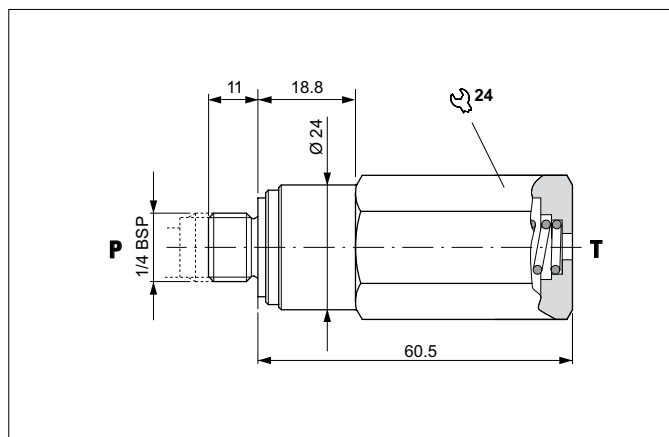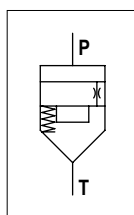# 11

SOFT START VALVES

VAM04

SINGLE-PHASE MOTOR START VALVE - IN-LINE MOUNTING

Valve used on power units to delay system pressurisation to allow a single-phase motor to reach the required speed.
Fitted directly on the auxiliary pressure delivery line of unit 1 pumps or on the delivery branch between pump and unidirectional valve.
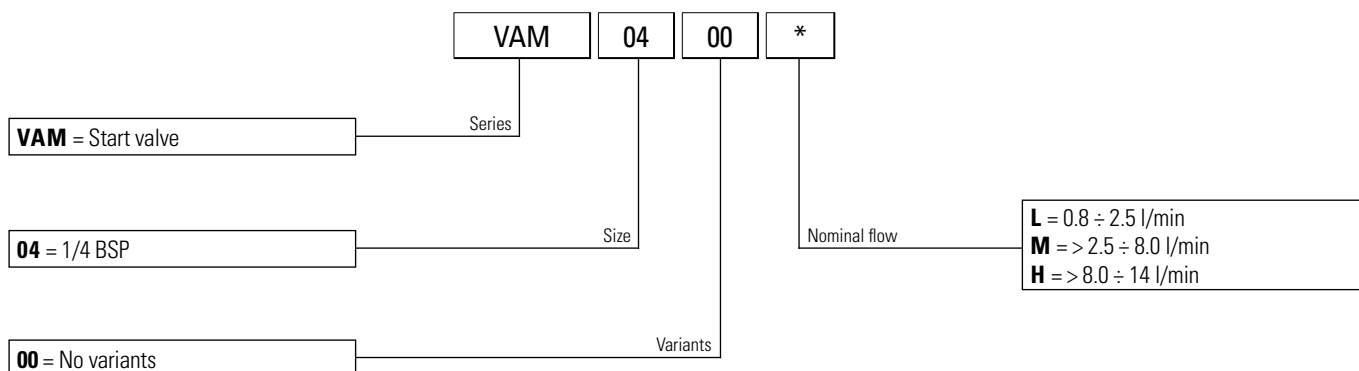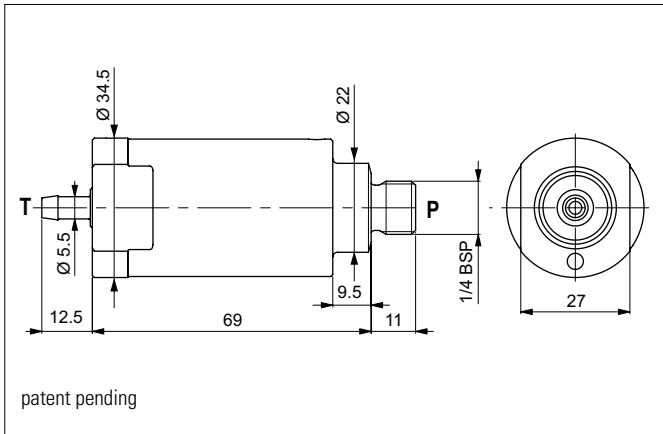The body is in steel and the tapered poppet in tempered and ground steel.

HYDRAULIC SYMBOL

HYDRAULIC FEATURES

Max. working pressure	300 bar
Max. Flow	20 l/min
Min. working pressure	15 bar
Max operating frequency (with manual operated)	1 Hz
Working Temperature	-25°C ÷ 60°C
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm^2/s
Fluid temperature	-25°C ÷ 75°C
Max. contamin. level class with filter	ISO 4406:1999 - class 19/17/14
Weight	0.14 kg
Tightening torque	25 ÷ 30 Nm

ORDERING CODE

VAM	04	00	*

VAM = Start valve — Series

04 = 1/4 BSP — Size

00 = No variants — Variants

Nominal flow:
L = 0.8 ÷ 2.5 l/min
M => 2.5 ÷ 8.0 l/min
H => 8.0 ÷ 14 l/min

brevini *fluid power*

SOFT START VALVE - IN-LINE MOUNTING

Ø 34.5 | Ø 22

T | P

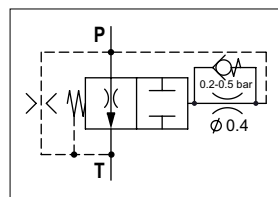Ø 5.5

12.5 | 69 | 9.5 | 11 | 1/4 BSP | 27

patent pending

Valve used on power units to generat a flow rate ramp on the actuator to delay system pressurisation and allow the single phase motor to reach the required speed.
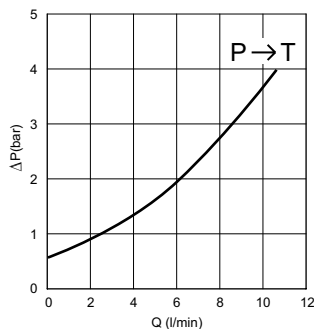
Fitted directly on the auxiliary pressure delivery line of unit 1 pumps or on the delivery branch between pump and unidirectional valve.

The body is in steel and the tapered poppet in tempered and ground steel.

HYDRAULIC SYMBOL

P

0.2-0.5 bar
Ø 0.4

T

HYDRAULIC FEATURES

Max. working pressure	210 bar
Max. Flow	8 l/min
Rump up time (at 100 bar of working pressure)	600 ms
Max. Leakage at 100 bar	0.8 l/min
Operating frequency	0.7 Hz
Working Temperature	-25°C ÷ 60°C
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm²/s
Fluid temperature	-25°C ÷ 75°C
Max. contamin. level class with filter	ISO 4406:1999 - class 19/17/14
Weight	0.4 kg
Tightening torque	25 ÷ 30 Nm

PRESSURE DROPS

P → T

ΔP(bar) vs Q (l/min)

Fluid used: mineral based oil with viscosity 32 mm²/s at 40°C.

ORDERING CODE

VAM	S	04	04	00	1

Series

Version

Size

Closing speed

Variants

1 = Serial No.

00 = No variants

VAM = Soft start valve

S = Soft start

04 = 1/4 BSP

04 = Ø 0,4 mm (orifice)