

- **Motor-driven diaphragm pump with 24 V DC drive**
- **Nearly pulsation-free metering by the use of step motor technology**
- **Metering performance adjustment in the range 1:50 thanks to integrated control dial**
- **3 different operating modes are possible**



The Turbo SMART metering pump is an electro-motive diaphragm metering pump for delivery of uncontaminated, non-abrasive metering media.

The stepping motor used to drive the diaphragm offers the possibility of setting the length of duration differently for the suction and metering strokes.

Therefore, the metering stroke length and therefore the dosage rate can be infinitely adjusted in the range 1:50 via an integrated control dial in the control PCB, while the duration of the suction stroke remains unchanged.

If a correspondingly long metering stroke duration is selected, this results in almost pulsation-free metering.

In addition, by selecting three different operating modes, the pump's motor speed and suction stroke speed can be flexibly adapted to high product viscosities or difficult suction conditions.

The Turbo Smart Pump therefore allows for an extremely wide range of uses and can meet even the most difficult requirements.

Technical Data:

General:

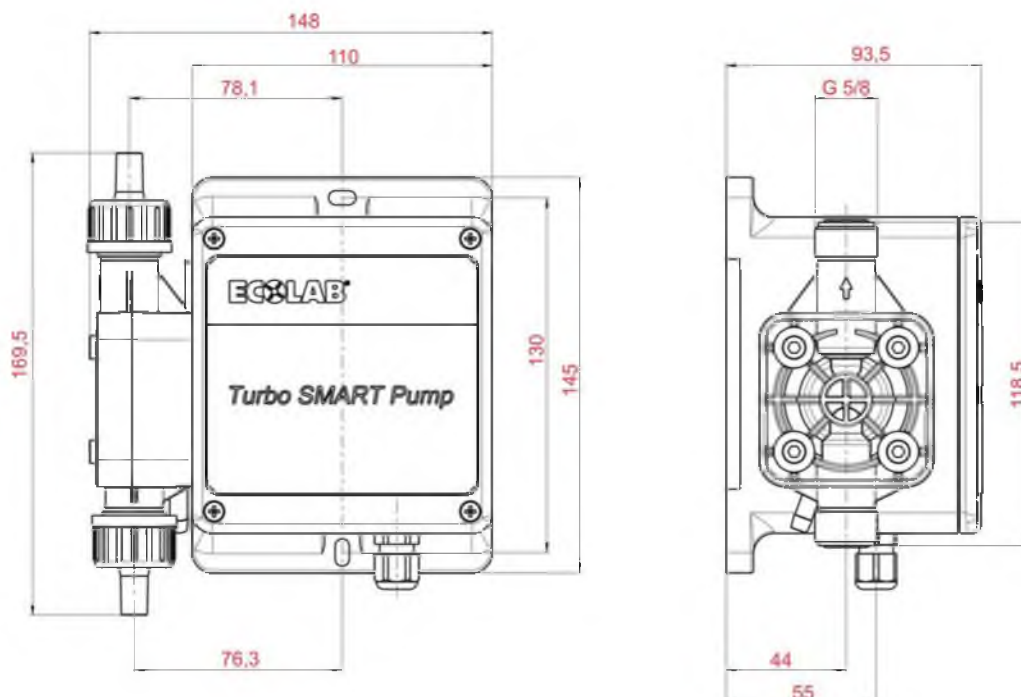
Pump capacity [l/h]:	0.3 - 15
Metering back-pressure [bar]:	2
Max. suction height [m Ws]:	3
Max. ambient temperature [°C]:	10 – 40
Hose connection [mm]:	10/16 (int.Ø / ext.Ø)
Power supply [V DC]:	24
Current consumption [A]:	0.5
Safety type:	IP 65

All values at 50 Hz. All data refer to water temperature of 20° C according to the instructions of the technical manual, subject to!

Material:

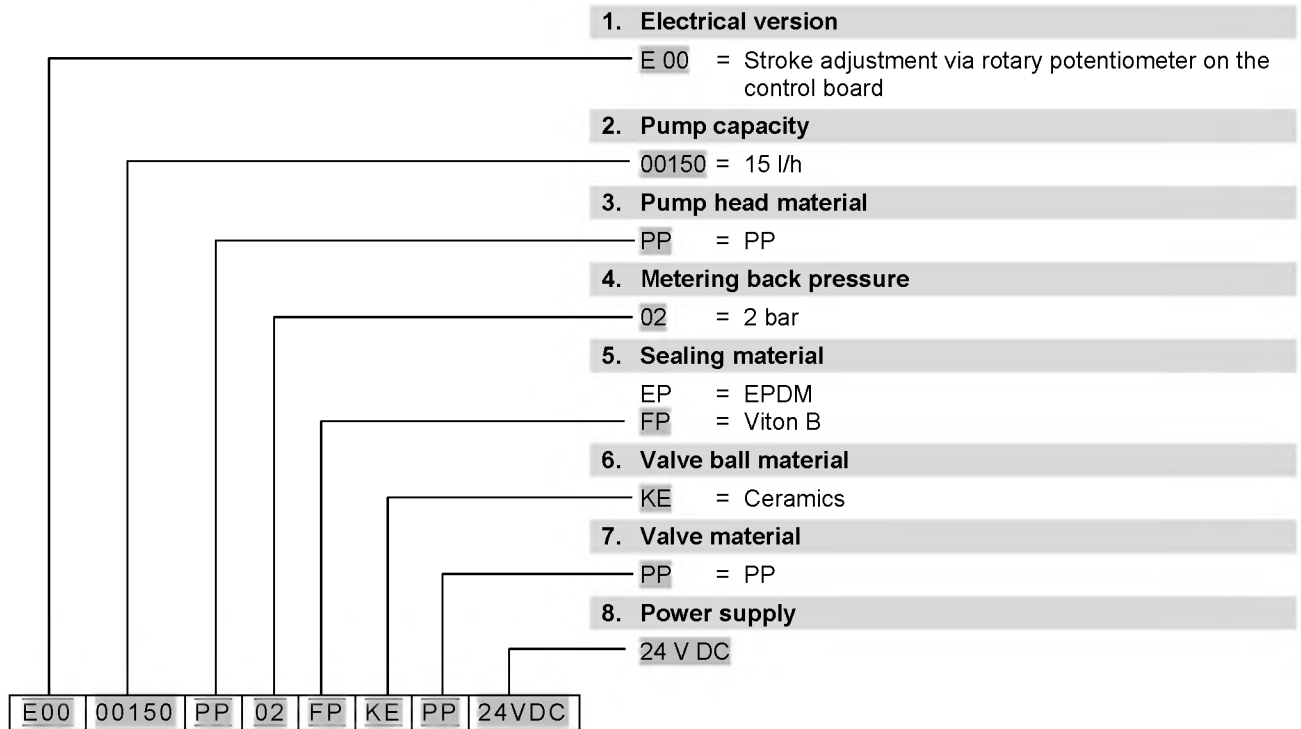
Component	Pump Type	
	106010	106020
Housing:	ABS	
Pump head:	PP	
Diaphragm:	EPDM /PTFE	
Valve body:	PP	
Valve balls:	Ceramics	
Seals:	EPDM	FPM
Colour:	Ecolab grey	

Dimensions:





Pump Code:



Ordering Data:

Article	Version	Material-No.
Turbo SMART Pump	E0000150PP02EPKEPP 24VDC	106010
	E0000150PP02FPKEPP 24VDC	106020

Extent of supply: Hose connection material 10/16 mm, operating instruction



Accessories:



Article

Material-No.

Mounting plate

32370142

Material: POM
Dimensions: 115 x 150 x 26 mm



Hose

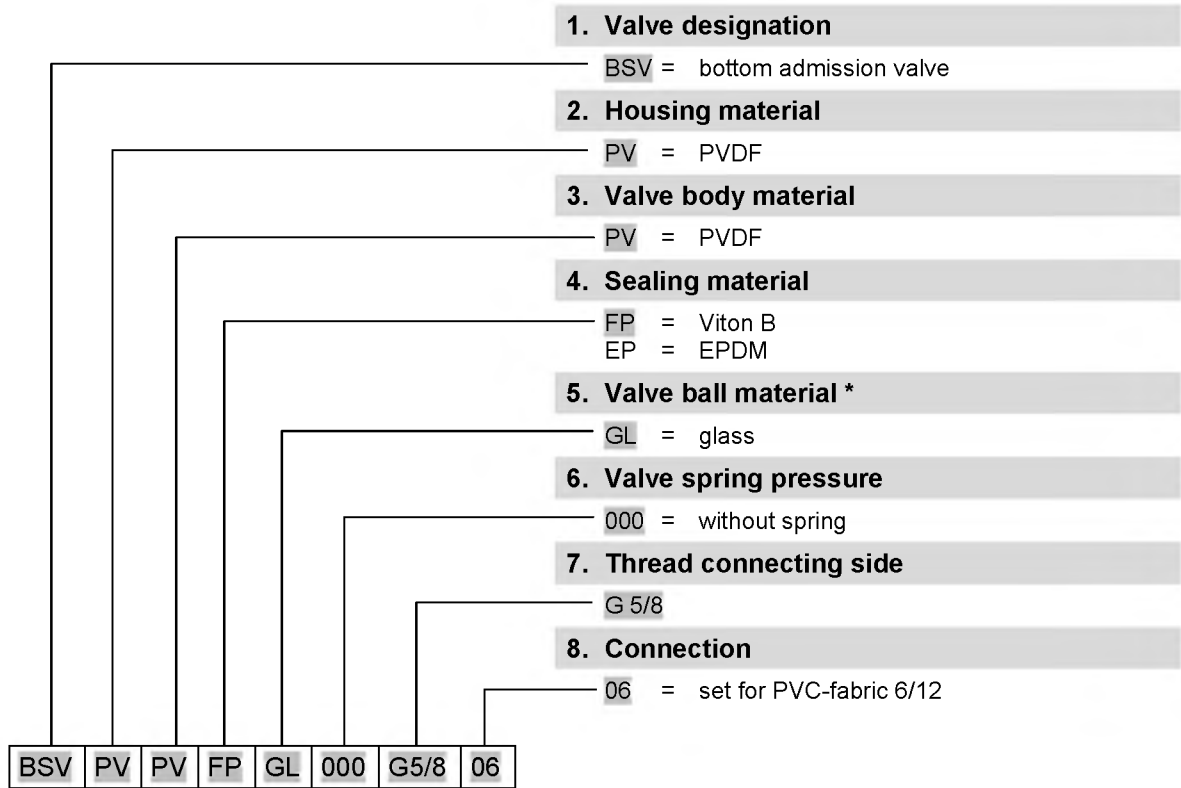
417400126

PVC-fabric di10x3 (10/16 mm)
available by the metre

Note: We explicitly point out that PVC fabric tubes have a limited lifetime if alkaline chemicals will be used. To avoid damage for your staff and your company the tubes have to be exchanged at least every 6 months. In case of non-compliance we exclude all kinds of liability and responsibility.



Bottom admission valve



Article

Material-No.

BSV PV PV FP GL 000 G 5/8 – 06

249018

BSV PV PV EP GL 000 G 5/8 – 06

249024

Connection material for hose 10/16 mm:



Tapered part

38610415

PVDF for inner Ø 10 - 5/8"



Clamping piece

38610409

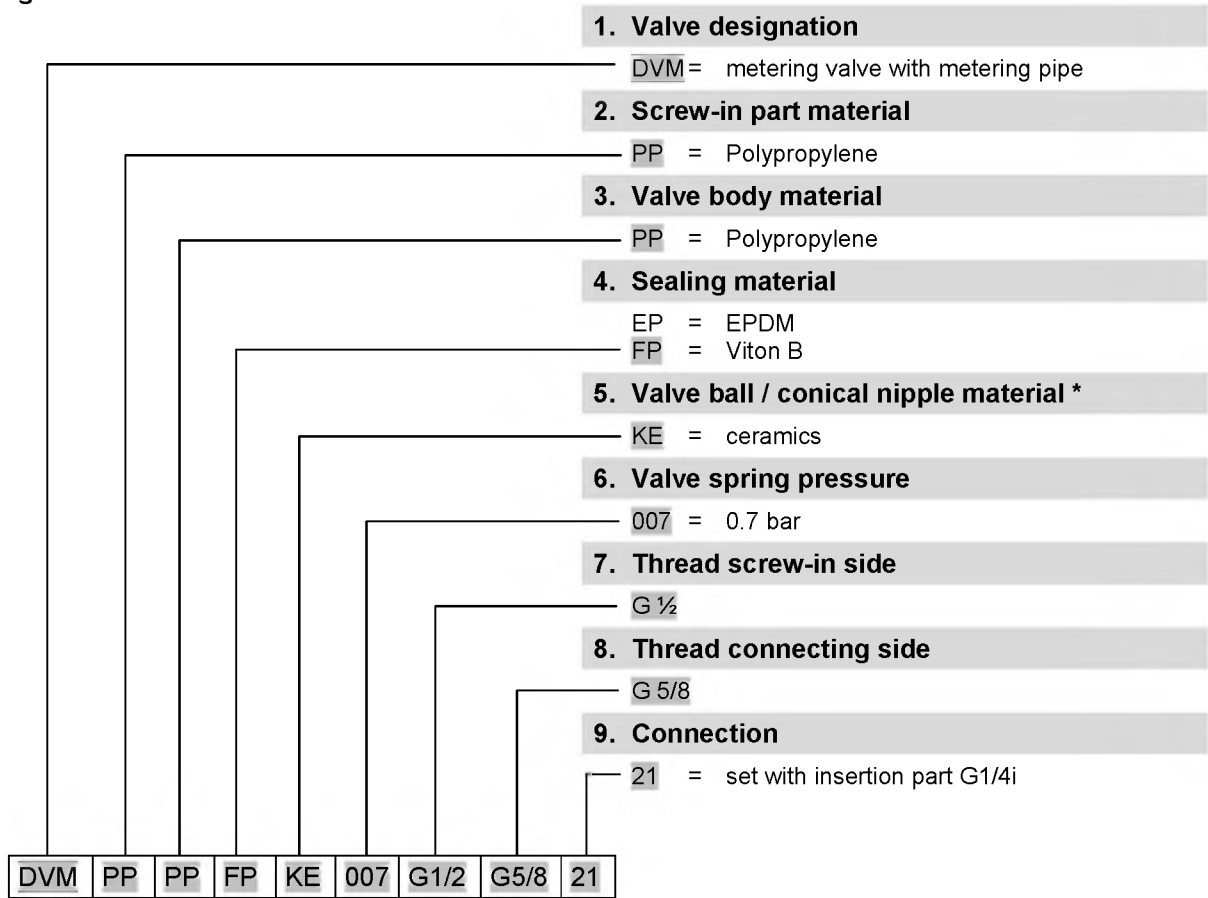
1.4571 for outer Ø 16 - 5/8"

Union nut

included in delivery of bottom admission valve



Metering valves



Article

Material-No.

DVM PP PP FP KE G 1/2 – G 5/8 – 21

245040

DVM PP PP EP KE G 1/2 – G 5/8 – 21

245041

Connection material for hose 10/16 mm:



Tapered part

38610416

PP for inner Ø 10 - 5/8"



Clamping piece

38610409

1.4571 for outer Ø 16 - 5/8"

Union nut

included in delivery of bottom admission valve



Spare Parts:



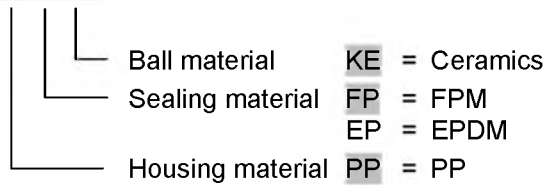
Article

Material-No.

Pump head complete

Pump head 15 l/h PPEPKE 206001

Pump head 15 l/h PFPKE 206002



Connection set

249237

Connection set PP G 5/8 - 6/12, 10/16 mm



Diaphragm

30601023

Diaphragm 15l/h EPDM / PTFE