

### ELADOS® EMP IV E 60<sup>PLUS</sup>

with the add-on unit for the capture of operating data (dongle plate) the version E 60 turns to version E 60<sup>PLUS</sup>. For installation of the dongle plate the front panel has to be removed. Then the dongle plate can be plugged on the allocated terminal.



#### Article

#### Material-No.

##### Dongle plate

249629

with the following additional functions:

- Automatic readjustment of pump output in combination with an oval gear meter (for operating modes "internal" and "current" only)
- Automatic calibration function via oval gear meter
- Consumption data control by means of oval gear meter

### Accessories:






##### Oval gear meter

for volumetric measurement of the rate of flow

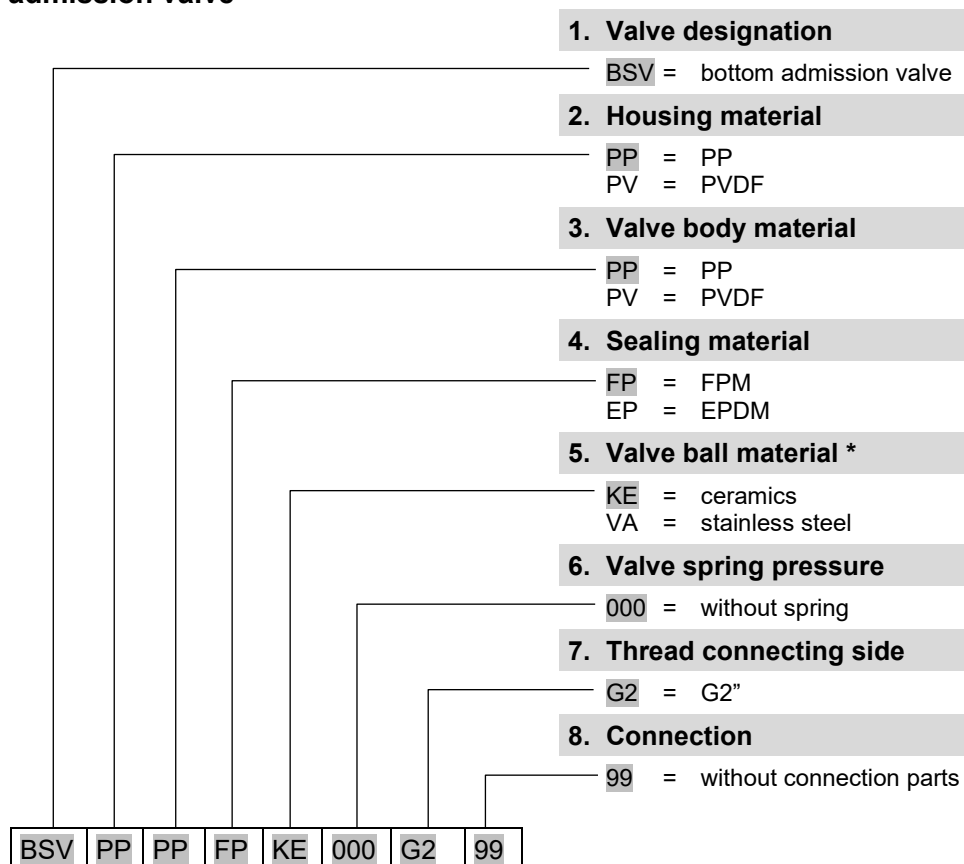
**Ordering data are to be found in chapter Measuring / Oval gear meter.**

## Suction lances

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	Article	Material-No.
	<b>Sealing for suction lance (spare part)</b>	
	FPM 40.64 x 5.33 (for 250052, 250055)	417007359
	EPDM 40.6 x 5.3 (for 250054, 250056)	415100413
	<b>Suction lance adapter</b>	
	Screw cap DN 150 for container with bung plug	
	<b>Suction and pressure lines</b>	
	available by the metre	
	max. operating pressure: 15 bar (at 20 °C)	
	PVC-fabric, 19/27 mm (int.Ø/ext.Ø)*	417400131
	PVC-fabric, 25/34 mm (int.Ø/ext.Ø)	417400139
	PVC-fabric, 30/38 mm (int.Ø/ext.Ø)	417400136
	PVC-fabric, 32/42 mm (int.Ø/ext.Ø)	417400135
	*up to max. 450l/h on the pressure side	
	<b>Note: PVC hoses only have a limited service life!</b> <b>Especially when metering alkaline media or under heavy mechanical load, the service life can drop to less than 6 months.</b> <b>We therefore recommend to check the metering hoses at all service appointments and replace them if necessary.</b>	

**Bottom admission valve**



**Article**

**Material-No.**

BSV PP PP FP KE 000 G 2 – 99

250007

BSV PP PP EP KE 000 G 2 – 99

250008

BSV PV PV FP KE 000 G 2 – 99

on request

BSV PV PV EP KE 000 G 2 – 99

on request

**Connection material see page 17**



**Article**

**Material No.**

**Pulsation damper**

To reduce pressure peaks and pulsation at oscillating rotary pumps at the pressure side and to prevent cavitating at the suction side.

Stroke volume: 120 cm<sup>3</sup>/stroke  
 Admissible nominal pressure: 10 bar  
 Thread connection: G1¼

**PDS 750 D32 PP/Hypalon**

415503007

Housing material: PP  
 Sealing/diaphragms: Hypalon

**PDS 750 D32 PP/FPM**

415503008

Housing material: PP  
 Sealing/diaphragms: FPM



**Manometer**

415502560

0-10 bar, connection G¼a

**Attention:**

When adjusting the initial pressure, the pulsation damper has to be relieved on the metering media side.



**Reduction G½a – G¼i**

415202771

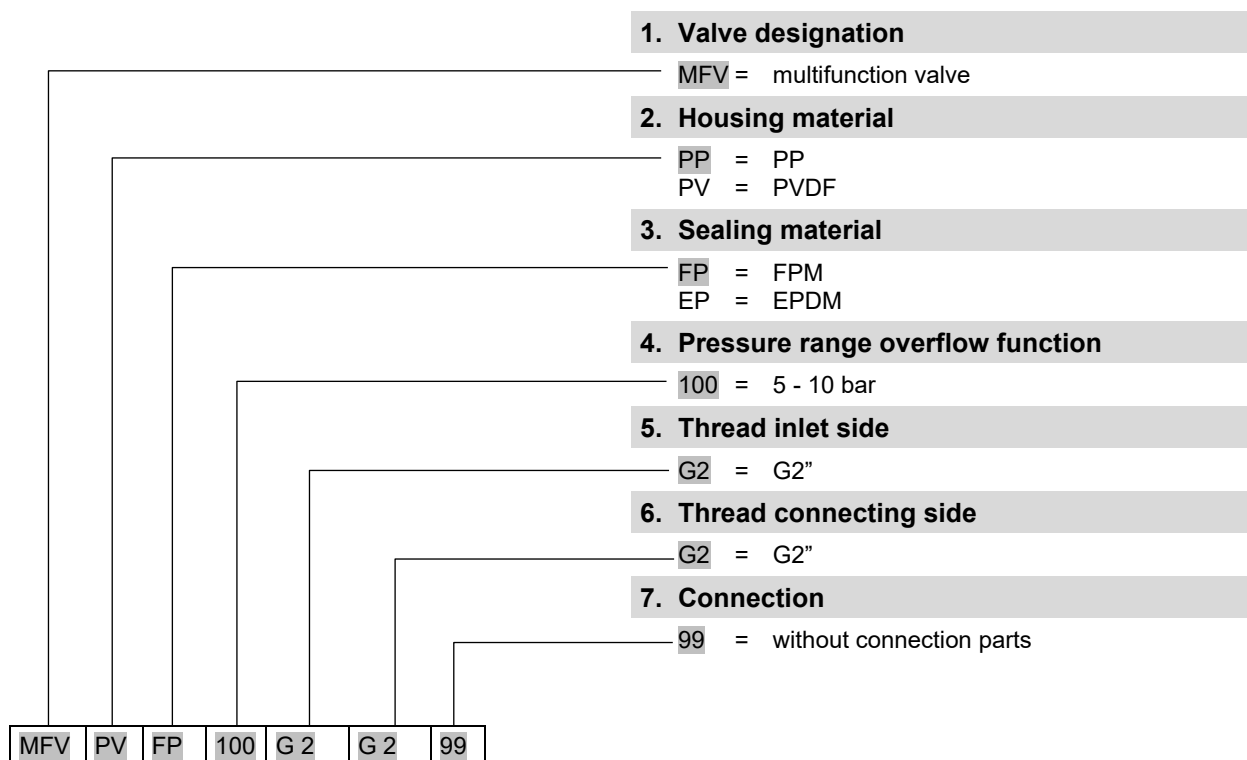


**Pump bracket**

250047

stainless steel, incl. mounting accessories  
 bracket with holder out 4 edge hollow profile  
 with movable fixing plate

## Multifunction valve



This safety-relevant component serves the purpose of protecting the piping system and the metering pump and permits safe and reliable commissioning and maintenance of the system.

The multiple function valve combines all of the following functions: **overflow, pressure maintenance, venting and drainage**

Dimensions (L \* D \* H): 341 x 160 x 200 mm



### Article

### Material-No.

MFV PP FP 100 G 2 – G 2 – 99

250062

MFV PP EP 100 G 2 – G 2 – 99

250063

MFV PV FP 100 G 2 – G 2 – 99

250066

MFV PV EP 100 G 2 – G 2 – 99

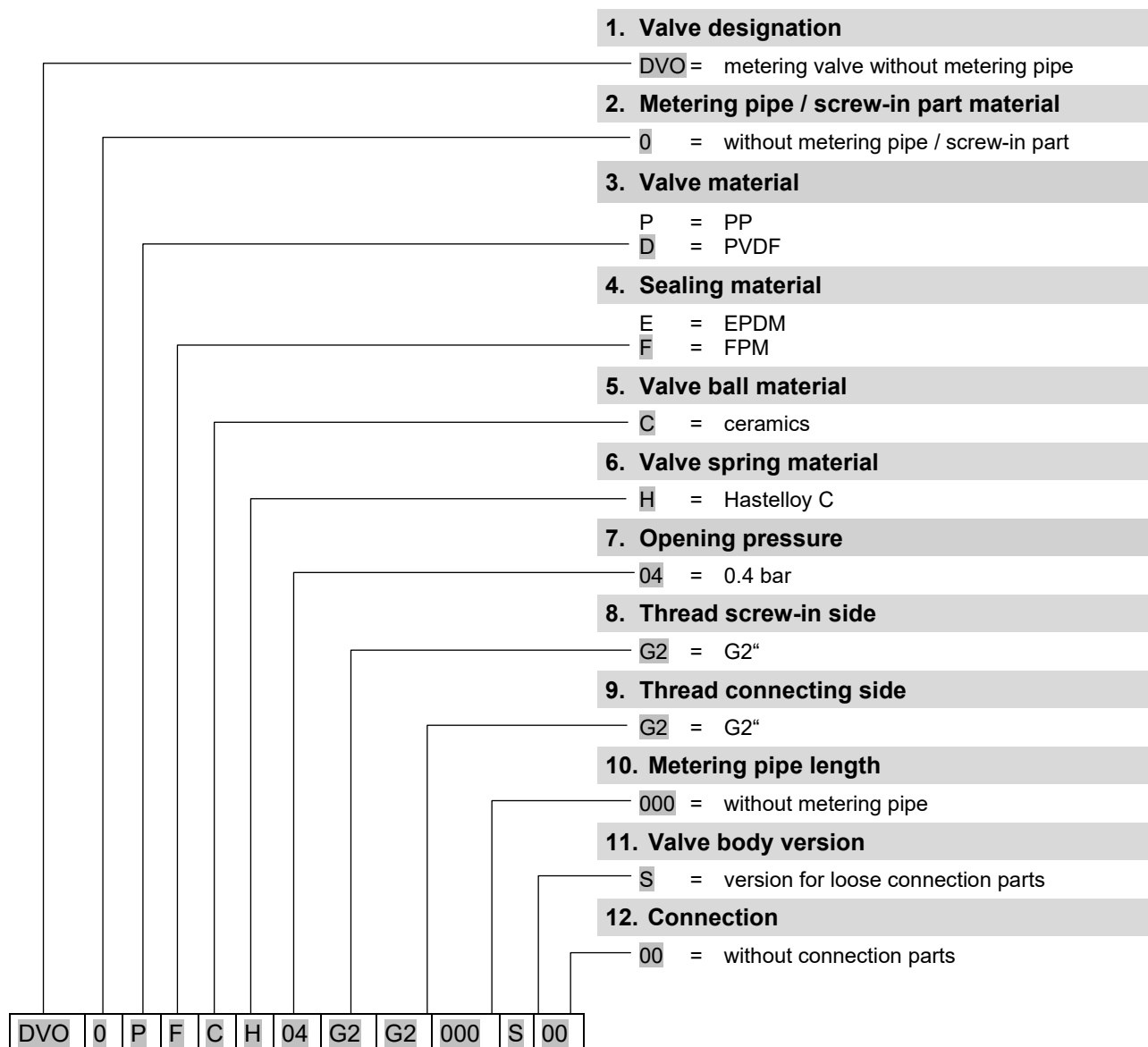
250067

**Extent of supply:** 2 fixing clips with securing bracket (415018707),  
3 O-ring seals (417003412) FPM, user's manual

The multiple function valve should be installed close to the pump on a suitable wall.

**Connection material see page 17**

**Metering valves**



**Article**

**Material-No.**

DVO PFC-004 G2-G2-99

250013

DVO PEC-004 G2-G2-99

250014

DVO DFC-004 G2-G2-99

250015

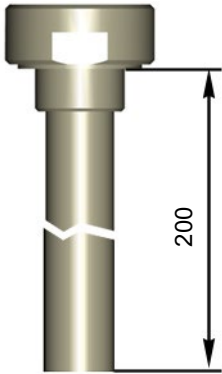
DVO DEC-004 G2-G2-99

250016

**Attention!**

When installing, please observe the direction of flow  
 (see embossed direction arrow)

**Connection material see page 17**



Article	Material-No.
<b>Metering pipes</b>	
Metering pipe G2i-G5/4a L=200 PP-GY	250094
Metering pipe G2i-G5/4a L=200 PVDF-NA	250095



**Connection material for suction and pressure valves,  
bottom admission valves and metering valves  
(to be ordered separately)**

**Article**

**Material-No.**



**Connection to pressure hose nozzle with hose clip**

**Connection set PP, G2 - NW 25/27**

250096

consisting of:

1 union nut PP G2" (415099837), 1 pressure hose nozzle PP NW 25/27 (34950254) and 2 hose clips for hose AD 25-40 (415013306)

**Connection set PP, G2 - NW 30/32**

250097

consisting of:

1 union nut PP G2" (415099837), 1 pressure hose nozzle PP NW 30/32 (34950255) and 2 hose clips for hose AD 25-40 (415013306)



**Hose clips (stainless steel)**

for hose AD 20-32

415013305

for hose AD 25-40

415013306



**Union nut G2"**

PP

415099837

PVDF

415099074



**Pressure hose nozzle**

PP d20/22-2"

34950253

PP d25/27-2" (ill.)

34950254

PP d30/32-2"

34950255

PVDF d20/22-2"

34950197

PVDF d25/27-2" (ill.)

34950198

PVDF d30/32-2"

34950202

Connection to tubes

**Article**

**Material-No.**



**Union nut G2"**

PP

415099837

PVDF

415099074



**Insertion part 2" (welded bush) for tube connection DN 25 (d32)**

PP

34950191

PVDF

34950192

**Insertion part 2" (welded bush) for tube connection DN 32 (d40)**

PP

415099711

PVDF

415099035

**Further connection material on request!**