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7 Accessories

7.1 General accessories



Article

Article no.

Bluetooth board

252080

for upgrading EcoAdd pumps
for data exchange via Bluetooth



Adapter cable

for connecting existing EMP pump connections, when
replacing EMP pumps with Eco pumps.

Adapter cable, control input, EMP – EcoAdd

252082

Adapter cable, output, EMP – EcoAdd

252083

Article

Article no.



Oval gear meter

for volumetric measurement of the rate of flow

Ordering data are to be found in chapter
„Measuring and Controlling, Oval Gear Meter“



Contact Water Meter

For volume-proportional applications, we recommend the
use of contact water meters from our product range.

Ordering data are to be found in chapter
„Measuring and Controlling, Contact Water Meter“



Signal horn with integrated red flashlight

230 V / 50 Hz / IP 33 RO

418271053

7.2 Accessories 5 l/h and 11 l/h

7.2.1 Connection material



Article	Article no.
Connection set for PE/PTFE hose 4/6 mm (only for 5 l/h)	
Connection set Di4/Da6-G3/8-PP-GY	252102
Connection set Di4/Da6-G3/8-PVDF-NA	252101
Connection set for PE/PTFE hose 5/8 mm	
Connection set Di5/Da8-G3/8-PP-GY	252104
Connection set Di5/Da8-G3/8-PVDF-NA	252103
Connection set for PE/PTFE hose 6/8 mm	
Connection set Di6/Da8-G3/8-PP-GY	252106
Connection set Di6/Da8-G3/8-PVDF-NA	252105
Connection set for PE/PTFE hose 1/4" / 3/8"	
Screw-on connection PP, G3/8" – DN 1/4" / 3/8"	415102350
Screw-on connection PVDF, G3/8" – DN 1/4" / 3/8"	415102304
Connection set for PE/PTFE hose 6/10 mm	
Screw-on connection PVDF, G3/8" - 6/10 mm	415102352
Connection set for PVC hose 6/12 mm	
Connection set Di6/Da12-G3/8-PP-GY	252108
Connection set Di6/Da12-G3/8-PVDF-NA	252107
Connection set for PE/PTFE hose 4/6 and 6/8 mm and PVC hose 6/12 mm	
Connection set Di/Da 4/6-6/8-6/12-G3/8-PP-GY	252137
Connection set Di/Da 4/6-6/8-6/12-G3/8-PV-NA	252138

7.2.2 Suction lances

Ecolab suction lances include a protective function as well as a monitoring function. A sieve protects the metering pump from coarse particles, and a ball check valve prevents the suction line from running empty. At the same time, level messages for the states "pre-warning" and "empty" are provided via two float switches.

Note:

All components with moving parts are subject to wear, including suction lances.

We therefore recommend inspecting the suction lances for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

Suction lances D16 with reserve and empty signal report

incl. ball non-return valve, suction strainer, potential-free contacts for level pre-warning and empty signal (when dropping below the level = contact interrupted).

Tube diameter: 16 mm
 Material: see suction lance code
 Connection cable: 3-pin plug incl. 5 m cable
 Turn-on voltage: max. 48 V AC/DC
 Switching current: 0.5 A
 Rupturing capacity: 8 W / 8 VA

A-SGL-VVF0C-G3/8-06-2SS-0540-99-99-p

10240524

A-SGL-VVF0C-G3/8-06-2SS-0750-99-99-p

10240525

A-SGL-VVF0C-G3/8-06-2SS-1125-99-99-p

10240526

Suction lance code, see next page!

Connection sets G3/8" for suction lances D16

Connection set Di/Da 4/6-6/8-6/12-G3/8-PP-GY

252137

Connection set Di/Da 4/6-6/8-6/12-G3/8-PV-NA

252138

Connection set Di5/Da8-G3/8-PP-GY

252104

Connection set Di5/Da8-G3/8-PVDF-NA

252103

Screw-on connection PVDF, G3/8"i - 6/10 mm

415102352



Article

Article no.

Suction lances D32 with reserve and empty signal report

incl. of ball non-return valve, suction strainer and potential-free contacts for level pre-warning and empty signal (when dropping below the level = contact interrupted).

Tube diameter: 32 mm
Material: see suction lance code
Connection cable: 3-pin plug incl. 5 m cable
Turn-on voltage: max. 50 V AC/DC
Switching current: 0.5 A
Rupturing capacity: 10 W / 10 VA

A-SGL-VDFEC-G5/8-10-2SS-0475-99-99-p	10240410
A-SGL-VDFEC-G5/8-10-2SS-0725-99-99-p	10240411
A-SGL-VDFEC-G5/8-10-2SS-1125-99-99-p	10240412
A-SGL-VDFEC-G5/8-10-2SS-1300-99-99-p	10240413

Suction lance code, see next page!

Connection sets G5/8" for suction lances D32
see page 37.

Diaphragm metering pump EcoPro / EcoAdd Accessories 5 l/h and 11 l/h



Suction lance code

														1. Article type	
														A = module	
														2 Designation	
														SLG = suction lance	
														3. Suction pipe / float material	
														P = PP	
														V = PVC	
														4. Foot part / valve housing material	
														D = PVDF	
														P = PP	
														V = PVC	
														5. Sealing material (1)	
														F = FKM	
														E = EPDM	
														6. Sealing material (2)	
														0 = no 2nd sealing material	
														E = EPDM	
														7. Valve ball material	
														C = ceramics	
														T = PTFE	
														8. Connection thread	
														0000 = no connection thread	
														G3/8 = G 3/8"	
														G5/8 = G 5/8"	
														9. Nominal width suction pipe	
														06 = 6 mm (di)	
														10 = 10 mm (di)	
														10.Level contact	
														1SA = 1 make contact, ferrule	
														2SS = 2 make contacts, cable with plug	
														11.Length of suction lance	
														0475 = 475 mm	
														0540 = 540 mm	
														0725 = 725 mm	
														0750 = 750 mm	
														1125 = 1125 mm	
														1300 = 1300 mm	
														1400 = 1400 mm	
														12.Return connection	
														99 = without return connection	
														06 = hose nozzle for hose ID 6 mm	
														13.Connection	
														99 = without return connection	
														14.Packaging	
														p = with packaging	
A	SLG	V	D	F	E	C	G5/8	10	2SS	475	99	99	p		

7.2.3 Suction lance adaptors

	Article	Article no.
	Adaptor – screw cap for suction lance Ø 16 mm	
	Thread pitch: 5 mm Threaded int. diameter: 50 mm Threaded ext. diameter: 55 mm Hole diameter: 25 mm can be screwed on: canister 10 l and 20 l	38619003
	as 38619003 but with Threaded int. diameter: 56 mm Threaded ext. diameter: 61 mm can be screwed on: canister 30 l or container 60 – 200 l	38619004
	as 38619004 but with return hole	247627
	Adaptor – insert cap for suction lance Ø 32 mm PVC soft to attach on: canister 10 l and 20 l	286198
	Adaptor – insert cap for suction lance Ø 32 mm PVC – hard / Viton B appropriate for degassing products Return connection: 4/6, 6/8 or 6/12 mm (int.Ø / ext.Ø) Vent connection: 6/12 mm (int.Ø / ext.Ø) to attach on: canister 30 l or container 60 – 200 l	288534
	Adaptor – screw joint for suction lance Ø 32 mm PVC hard Thread pitch: 5 mm Threaded int. diameter: 56 mm Threaded ext. diameter: 61 mm can be screwed on: canister 30 l or container 60 – 200 l	286197

	Article	Article no.
	<p>Adaptor – screw joint</p> <p>for suction lance Ø 32 mm PVC – hard / Viton B / silicone appropriate for degassing products</p> <p>Return connection: 4/6, 6/8 or 6/12 mm (int.Ø /ext.Ø) Vent connection: 6/12 mm (int.Ø /ext.Ø) Thread pitch: 5 mm Threaded int. diameter: 63 mm Threaded ext. diameter: 69 mm for barrel with internal thread (L–ring plus barrel 220 l)</p>	288535
	<p>Adapter screw connection</p> <p>for suction lance Ø 32 mm PVC – hard / Viton B / Silicon suitable for degassing products</p> <p>Return connection: 4/6, 6/8 or 6/12 mm (int./ext.Ø) Vent connection: 6/12 mm (int./ext.Ø) Thread pitch: 2.31 mm Threaded int. diameter: 56.66 mm Threaded ext. diameter: 59.61 mm for container screw cap with 2" internal thread</p>	288570
	<p>Adapter</p> <p>2" internal thread for adapter screw connection 288570 Tri-Sure external thread for container screw cap</p>	419800026
	<p>Suction lance adapter, rigid PVC/Viton B</p> <p>for canister or barrel</p>	288549
	<p>Suction lance adapter, rigid PVC/Viton B</p> <p>for barrels (l-ring plus – barrel 220)</p>	288547
	<p>Suction lance adapter, rigid PVC/Viton B</p> <p>for container (ECOBULK-container with skid pallet) for screw in in screw cap with 2" Tri-Sure-Stuffing</p>	288548

Article

Article no.



Terminal box for connection cable of the suction pipe

288419

for connection cable with round plug
incl. cable union PG 7 (max. 2 x 1 m²)

7.2.4 Bottom admission valve

Bottom suction valves protect against dirt and coarse particles by means of a suction strainer. The integrated ball check valve prevents the suction line from running empty.

Note:

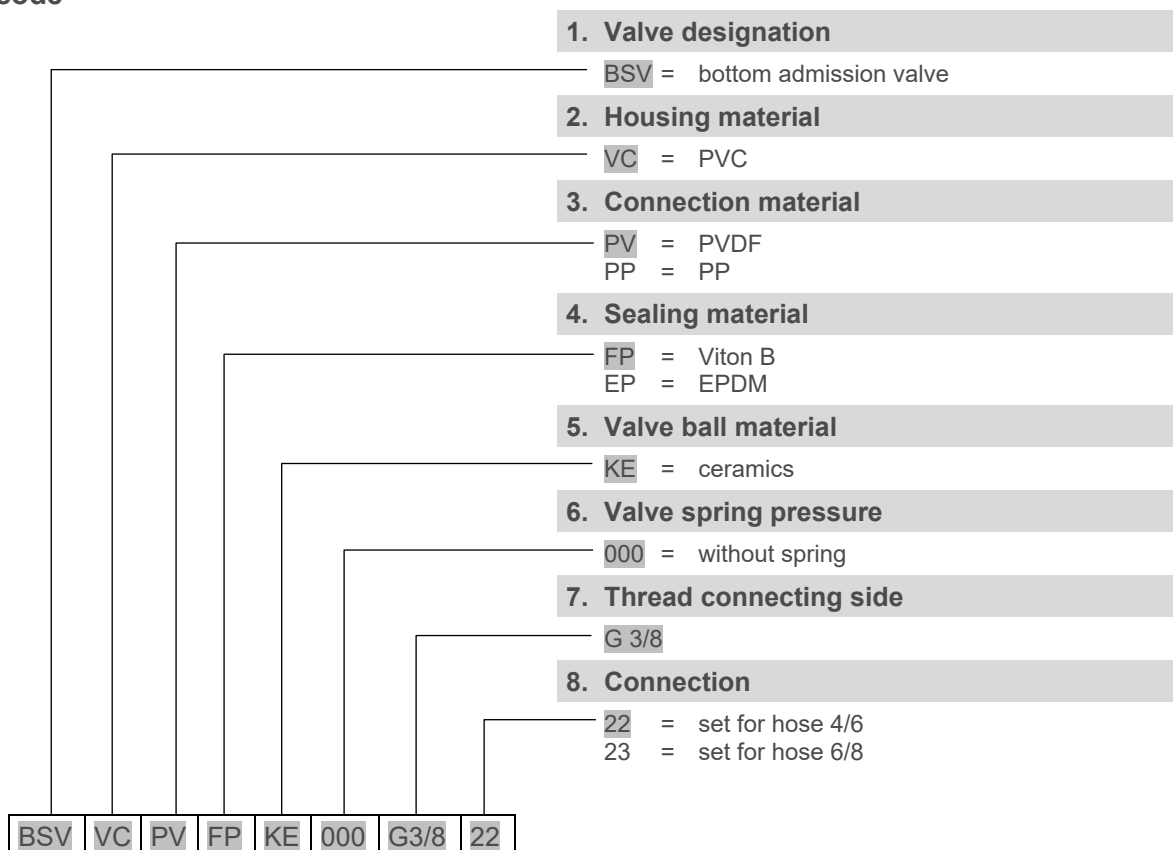
All components with moving parts are subject to wear, including bottom suction valves.

We therefore recommend inspecting the bottom suction valves for leaks and proper functioning at all service appointments and replacing them if necessary.




Article	Article no.
BSV VC PP FP KE 000 G 3/8 - 22	243125
BSV VC PP FP KE 000 G 3/8 - 23	243126
BSV VC PP EP KE 000 G 3/8 - 22	243127
BSV VC PP EP KE 000 G 3/8 - 23	243128
BSV VC PV FP KE 000 G 3/8 - 22	243129
BSV VC PV FP KE 000 G 3/8 - 23	243130
BSV VC PV EP KE 000 G 3/8 - 22	243131
BSV VC PV EP KE 000 G 3/8 - 23	243132

Article code

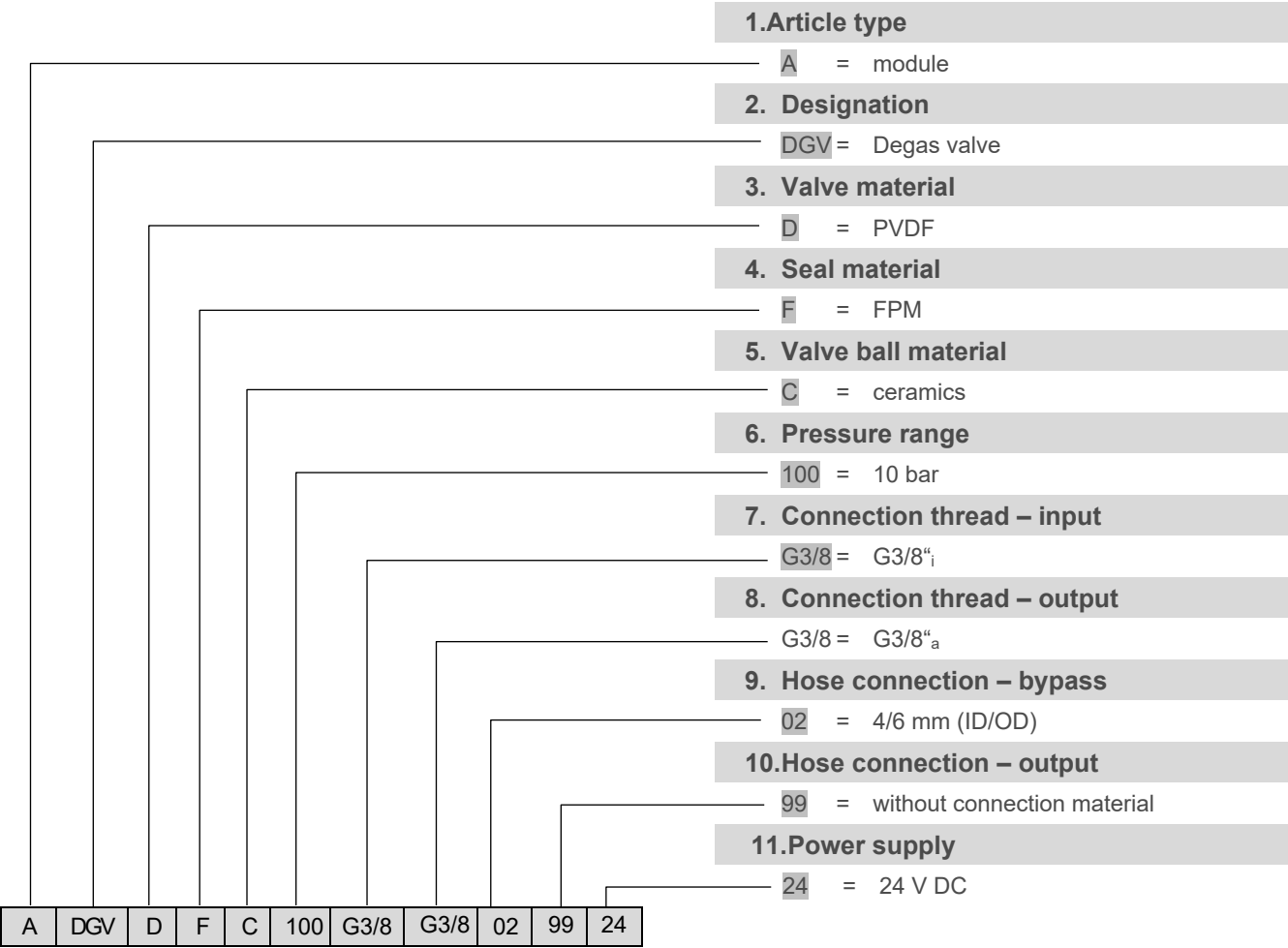


7.2.5 Degas valve

The Degas valve is used for automatic venting of the pump head in applications with highly outgassing dosing media. The valve can be mounted directly on the pump head, the electrical connection is made at the control terminal block of the pump. The required settings can be conveniently made in the pump menu.

	Article	Article no.
	Degas valve	
	with Degas control cable (0.5 m) and plug	
	A-DGV-DFC100-G3/8-G3/8 -02-99-24	10240163
	Note: Hose connection set has to be ordered separately, see 6.2.1 Connection material, page 23.	


Article code



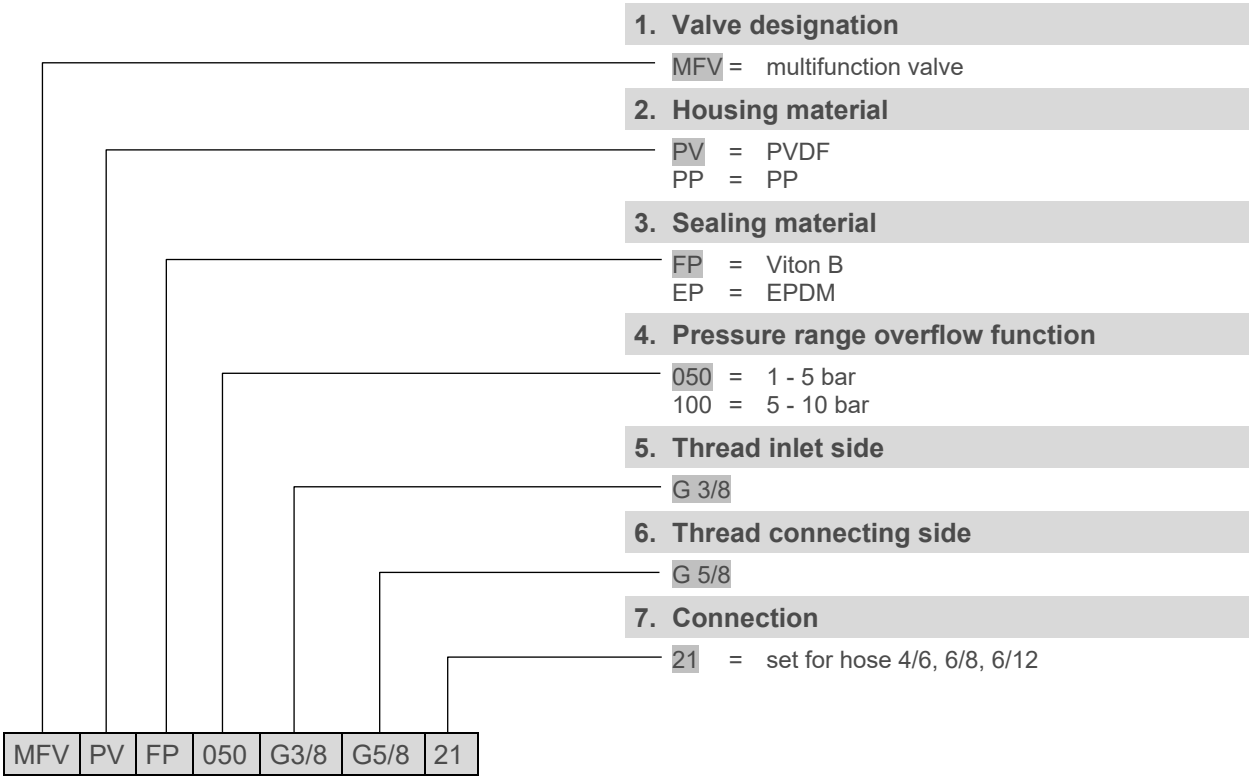
7.2.6 Multifunction valve

Multi-function valves are safety components and are used to protect the piping system and the metering pump against impermissible high pressures. They also increase the metering accuracy of the system and enable reliable start-up and maintenance of the system.
A multi-function valve combines the following functions: **Overflow, pressure maintenance, venting and draining.**

Note:
All components with moveable parts are subject to wear, including multi-function valves.
We therefore recommend inspecting the multi-function valves for leaks and proper functioning at all service appointments and replacing them if necessary.

	Article	Article no.
	MFV PP FP 100 G 3/8 – G 5/8 – 21	249247
	MFV PP EP 100 G 3/8 – G 5/8 – 21	249267
	MFV PV FP 100 G 3/8 – G 5/8 – 21	249241
	MFV PV EP 100 G 3/8 – G 5/8 – 21	249261
Further material combinations on request!		

Article code



7.2.7 Metering valve

Ecolab metering valves are designed as spring-loaded ball valves or as hose valves (bicycle valve principle). They prevent the dosing line from running empty and thus increase the metering accuracy of the system.

Note:

All components with moveable parts are subject to wear, including metering valves.

We therefore recommend inspecting the metering valves for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

DVP PFC-H03-G1/4-G3/8-045-99	252150
DVP PEC-H03-G1/4-G3/8-045-99	252151
DVP DFC-H03-G1/4-G3/8-045-99	252153
DVP DEC-H03-G1/4-G3/8-045-99	252154
DVP PFC-H03-G1/2-G3/8-045-99	252155
DVP PEC-H03-G1/2-G3/8-045-99	252156
DVP DFC-H03-G1/2-G3/8-045-99	252157
DVP DEC-H03-G1/2-G3/8-045-99	252158



Metering valves with hose valve for chloric products

DVT PFC-H18-G1/4-G3/8-025-99	252159
DVT PEC-H18-G1/4-G3/8-025-99	252160
DVT DFC-H18-G1/4-G3/8-025-99	252161
DVT DEC-H18-G1/4-G3/8-025-99	252162
DVT PFC-H18-G1/2-G3/8-040-99	252163
DVT PEC-H18-G1/2-G3/8-040-99	252164
DVT DFC-H18-G1/2-G3/8-040-99	252165
DVT DEC-H18-G1/2-G3/8-040-99	252166

Note:

Hose connection set has to be ordered separately, see 6.2.1 Connection material, page 23.

Diaphragm metering pump EcoPro / EcoAdd Accessories 5 l/h and 11 l/h



Article

Article no.

Hot-water metering area

consisting of:

Metering valve with metering pipe

DVM VA VA FP GL 004 G1/2 – G1/4 – 41

240153

and

Cooling stretch

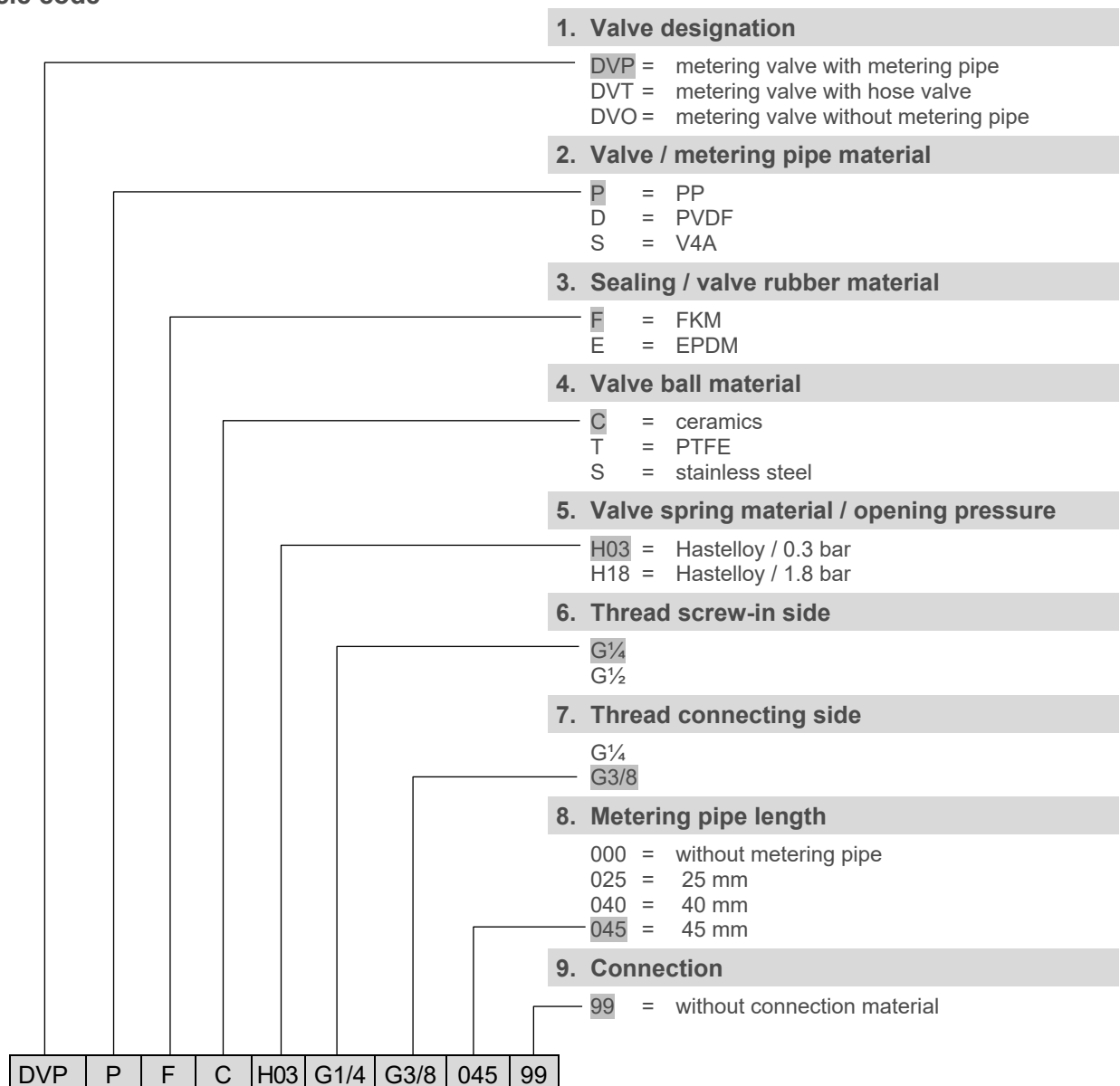
248411

stainless steel spiral-pipe da 8 mm




with adapter and connection material for hose 4/6, 6/8 and 6/12 mm (ID/AD)

Temperature resistance: **max. 130 °C**

Article code



7.2.8 Suction and pressure lines

	Article		Article no.
	Suction and pressure lines		
	available by the metre (int.Ø / ext.Ø)	max. operating pressure [bar] at 20 °C	
	PVC-fabric 6/12 mm	16	417400123
	PE hose 4/6 mm	12	417400301
	PE hose 5/8 mm	13	417400300
	PE hose 6/8 mm	8	417400310
	PE hose 6/10 mm	15	417400302
	PTFE hose 4/6 mm	12	417400215
	PTFE hose 5/8 mm	14	417400213
	PTFE hose 6/8 mm	9	417400224
	PTFE hose 6/10 mm	15	417400216

Note: PVC hoses
PVC hoses only have a limited service life!
Especially when metering alkaline media or under heavy mechanical load, the service life can drop to less than 6 months.

Other hose materials
The service life of other hose materials is also limited!
Depending on the metering medium and the mechanical load, the service life can vary greatly.

We therefore recommend checking the dosing hoses at all service appointments and replacing them if necessary.

7.3 Accessories 30 l/h and 50 l/h

7.3.1 Connection material



Article	Article no.
Connection set for PE/PTFE hose 6/10 mm	
Screw-on connection PVDF, G5/8" - 6/10 mm	415102353
Connection set for PVC hose 6/12 and 10/16 mm	
Connection set Di/Da 6/12-10/16-G5/8-PP-GY	249237
Connection set Di/Da 6/12-10/16-G5/8-PV-NA	249216
Connection set for PE/PTFE hose 9/12 mm	
Connection set Di9/Da12-G5/8-PP-GY	252116
Connection set Di9/Da12-G5/8-PVDF-NA	252115
Connecting parts for pipe connection DN8/d12	
Union nut PP G5/8"	34500228
Insertion part (welded sleeve) PP DN8/d12 - 5/8"	34900246
Union nut PVDF G5/8"	34500134
Insertion part (welded sleeve) PVDF DN8/d12 - 5/8"	34900196
Connecting parts for transition to standard thread	
Screw-on connection PP G5/8" - 1/2" NPT	34900273
Screw-on connection PVDF G5/8" - 1/2" NPT	34900274

7.3.2 Suction lances

Ecolab suction lances include a protective function as well as a monitoring function. A sieve protects the metering pump from coarse particles, and a ball check valve prevents the suction line from running empty. At the same time, level messages for the states "pre-warning" and "empty" are provided via two float switches.

Note:

All components with moving parts are subject to wear, including suction lances.

We therefore recommend inspecting the suction lances for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

Suction lances D32 with reserve and empty signal report

incl. of ball non-return valve, suction strainer and potential-free contacts for level pre-warning and empty signal (when dropping below the level = contact interrupted).

Tube diameter: 32 mm
Material: see suction lance code
Connection cable: 3-pin plug incl. 5 m cable
Turn-on voltage: max. 50 V AC/DC
Switching current: 0.5 A
Rupturing capacity: 10 W / 10 VA

A-SGL-VDFEC-G5/8-10-2SS-0475-99-99-p	10240410
A-SGL-VDFEC-G5/8-10-2SS-0725-99-99-p	10240411
A-SGL-VDFEC-G5/8-10-2SS-1125-99-99-p	10240412
A-SGL-VDFEC-G5/8-10-2SS-1300-99-99-p	10240413

Suction lance code, see next page!

Connection sets G5/8" for suction lances D32

Connection set Di/Da 4/6-6/8-6/12-G5/8-PP-GY	252139
Connection set Di/Da 4/6-6/8-6/12-G5/8-PV-NA	252140
Connection set Di5/Da8-G5/8-PP-GY	252112
Connection set Di5/Da8-G5/8-PVDF-NA	252111
Connection set Di/Da 6/12-10/16-G5/8-PP-GY	249237
Connection set Di/Da 6/12-10/16-G5/8-PV-NA	249216
Connection set PP G5/8"i - hose 12/21	249234
Connection set PVDF G5/8"i - hose 12/21	249233
Connection set angled PVC G5/8"i- NW12	246023

Diaphragm metering pump EcoPro / EcoAdd Accessories 30 l/h and 50 l/h



Suction lance code

														1. Article type	
														A = module	
														2 Designation	
														SLG = suction lance	
														3. Suction pipe / float material	
														V = PVC	
														4. Foot part / valve housing material	
														D = PVDF	
														P = PP	
														V = PVC	
														5. Sealing material (1)	
														F = FKM	
														E = EPDM	
														6. Sealing material (2)	
														0 = no 2nd sealing material	
														E = EPDM	
														7. Valve ball material	
														C = ceramics	
														T = PTFE	
														8. Connection thread	
														0000 = no connection thread	
														G3/8 = G 3/8"	
														G5/8 = G 5/8"	
														9. Nominal width suction pipe	
														06 = 6 mm (di)	
														10 = 10 mm (di)	
														10.Level contact	
														1SA = 1 make contact, ferrule	
														2SS = 2 make contacts, cable with plug	
														11.Length of suction lance	
														0475 = 475 mm	
														0540 = 540 mm	
														0725 = 725 mm	
														0750 = 750 mm	
														1125 = 1125 mm	
														1300 = 1300 mm	
														1400 = 1400 mm	
														12.Return connection	
														99 = without return connection	
														06 = hose nozzle for hose ID 6mm	
														13.Connection	
														99 = without return connection	
														14.Packaging	
														p = with packaging	
A	SLG	V	D	F	E	C	G5/8	10	2SS	475	99	99	p		

7.3.3 Suction lance adaptors



Adaptor – insert cap

for suction lance Ø 32 mm
PVC soft
to attach on: canister 10 l and 20 l

286198



Adaptor – screw joint

for suction lance Ø 32 mm
PVC hard
Thread pitch: 5 mm
Threaded int. diameter: 56 mm
Threaded ext. diameter: 61 mm
can be screwed on: canister 30 l or
container 60 – 200 l

286197



Suction lance adaptor, D 32, rigid PVC/Viton B

for canister or barrel

288549



Suction lance adaptor, D 32, rigid PVC/Viton B

for barrels (l-ring plus – barrel 220)

288547



Suction lance adaptor, rigid PVC/Viton B

for container (ECOBULK-container with skid pallet)
for screw in in screw cap with 2" Tri-Sure-Stuffing

288548



Article

Article no.

Adaptor – insert cap

288534

for suction lance Ø 32 mm

PVC – hard / Viton B

appropriate for **degassing products**

Return connection: 4/6, 6/8 or 6/12 mm (int.Ø /ext.Ø)

Vent connection: 6/12 mm (int.Ø /ext.Ø)

to attach on: canister 30 l **or**
container 60 – 200 l



Adaptor – screw joint

288535

for suction lance Ø 32 mm

PVC – hard / Viton B / silicone

appropriate for **degassing products**

Return connection: 4/6, 6/8 or 6/12 mm (int.Ø /ext.Ø)

Vent connection: 6/12 mm (int.Ø /ext.Ø)

Thread pitch: 5 mm

Threaded int. diameter: 63 mm

Threaded ext. diameter: 69 mm

for barrel with internal thread (L-ring plus barrel 220 l)



Terminal box for connection cable of the suction pipe

288419

for connection cable with round plug

incl. cable union PG 7 (max. 2 x 1 m²)

7.3.4 Bottom admission valve

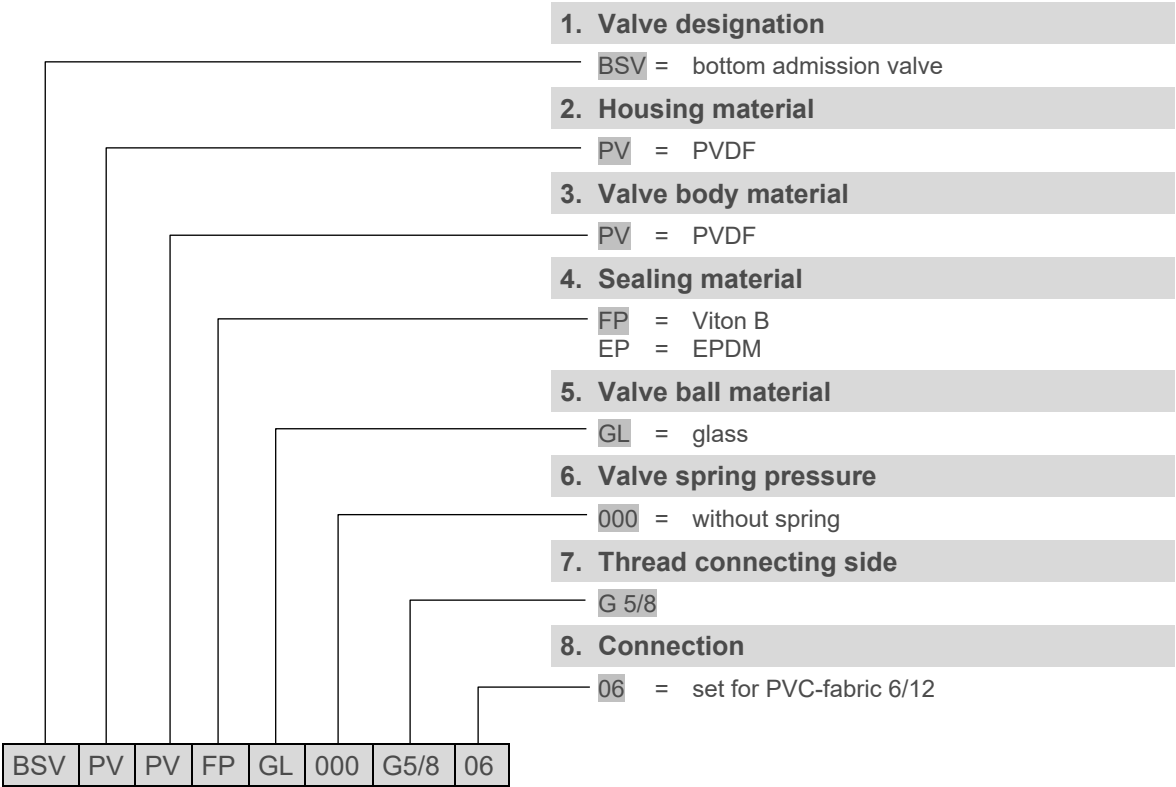
Bottom suction valves protect against dirt and coarse particles by means of a suction strainer. The integrated ball check valve prevents the suction line from running empty.

Note:
All components with moving parts are subject to wear, including bottom suction valves.
We therefore recommend inspecting the bottom suction valves for leaks and proper functioning at all service appointments and replacing them if necessary.



Article	Article no.
BSV PV PV FP GL 000 G 5/8 – 06	249018
BSV PV PV EP GL 000 G 5/8 – 06	249024


Article code



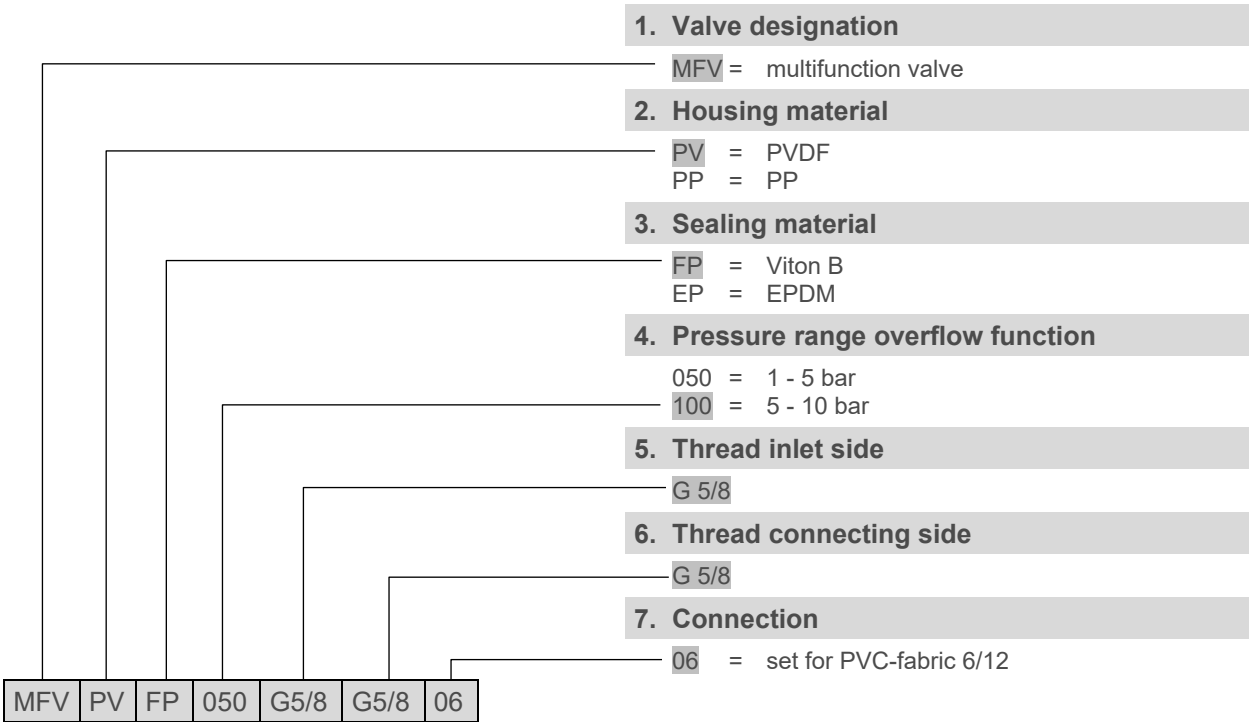
7.3.5 Multifunction valve

Multi-function valves are safety components and are used to protect the piping system and the metering pump against impermissible high pressures. They also increase the metering accuracy of the system and enable reliable start-up and maintenance of the system.
A multi-function valve combines the following functions: **Overflow, pressure maintenance, venting and draining.**

Note:
All components with moveable parts are subject to wear, including multi-function valves.
We therefore recommend inspecting the multi-function valves for leaks and proper functioning at all service appointments and replacing them if necessary.

	Article	Article no.
	Pump type 30	
	MFV PP FP 50 G 5/8 – G 5/8 – 06	249248
	MFV PP EP 50 G 5/8 – G 5/8 – 06	249268
	MFV PV FP 50 G 5/8 – G 5/8 – 06	249242
	MFV PV EP 50 G 5/8 – G 5/8 – 06	249262
	Pump type 50	
	MFV PP FP 100 G 5/8 – G 5/8 – 06	249249
	MFV PP EP 100 G 5/8 – G 5/8 – 06	249269
	MFV PV FP 100 G 5/8 – G 5/8 – 06	249243
	MFV PV EP 100 G 5/8 – G 5/8 – 06	249263

Article code



7.3.6 Metering valve

Ecolab metering valves are designed as spring-loaded ball valves. They prevent the dosing line from running empty and thus increase the metering accuracy of the system.

Note:

All components with moveable parts are subject to wear, including metering valves.

We therefore recommend inspecting the metering valves for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

Metering valve with metering pipe

DVP PFC-H07-G1/2-G5/8-045-99	252177
DVP PEC-H07-G1/2-G5/8-045-99	252178
DVP DFC-H07-G1/2-G5/8-045-99	252179
DVP DEC-H07-G1/2-G5/8-045-99	252180

Metering valve without metering pipe

DVO PFC-H07-G1/2-G5/8-000-99	252173
DVO PEC-H07-G1/2-G5/8-000-99	252174
DVO DFC-H07-G1/2-G5/8-000-99	252175
DVO DEC-H07-G1/2-G5/8-000-99	252176

Note:

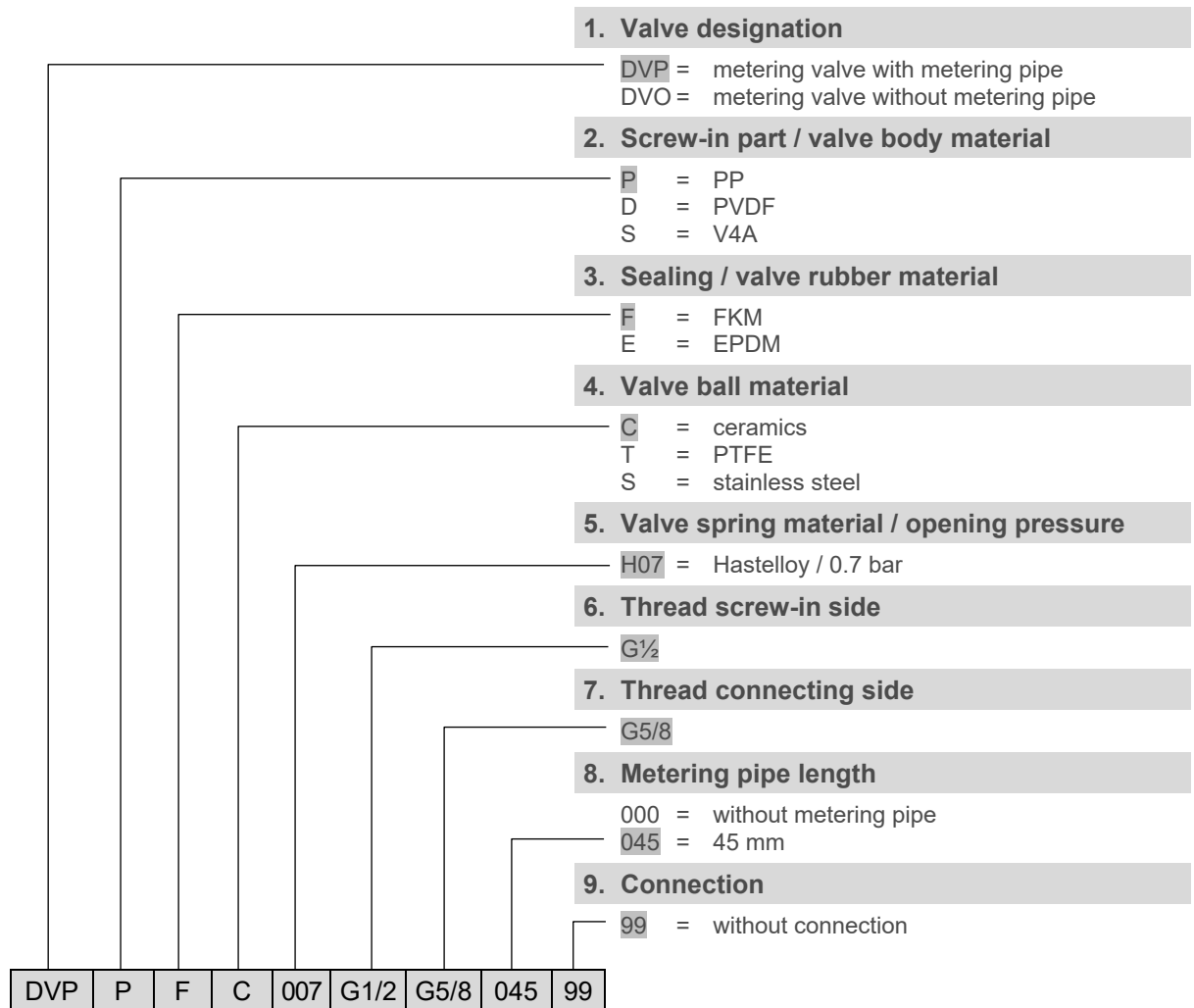
Hose connection set has to be ordered separately, see 6.3.1 Connection material, page 36.

Diaphragm metering pump EcoPro / EcoAdd




Accessories 30 l/h and 50 l/h



Article code



7.3.7 Suction and pressure lines

	Article		Article no.
	Suction and pressure lines		
	available by the metre (int.Ø / ext.Ø)	max. operating pressure [bar] at 20 °C	
	PVC-fabric 6/12 mm	16 bar	417400123
	PVC-fabric 10/16 mm	16 bar	417400126
	PE hose 6/8 mm	8 bar	417400310
	PE hose 9/12 mm	9 bar	417400304
	PTFE hose 6/8 mm	9 bar	417400224
	PTFE hose 9/12 mm	9 bar	417400281

Note: PVC hoses
PVC hoses only have a limited service life!
Especially when metering alkaline media or under heavy mechanical load, the service life can drop to less than 6 months.

Other hose materials
The service life of other hose materials is also limited!
Depending on the metering medium and the mechanical load, the service life can vary greatly.

We therefore recommend checking the dosing hoses at all service appointments and replacing them if necessary.

7.4 Accessories 120 l/h

7.4.1 Connection material

Article	Article no.
Connection set for PVC hose 12/21 mm	
Connection set Di12/Da21-G11/4-PP-GY	249238
Connection set Di12/Da21-G11/4-PVDF-NA	249258
Connecting parts for pipe connection DN20/d25	
Union nut PP G1¼"	415099835
Insertion part (welded sleeve) PP DN20/d25 - 1¼"	415099709
Union nut PVDF G1¼"	415099072
Insertion part (welded sleeve) PVDF DN20/d25 - 1¼"	415099033
Connecting parts for transition to standard thread	
Union nut PP G1¼"	415099835
Insertion part PP G1/2" _i - 1¼"	34950259
Insertion part PP G1" _a (NPT) - 1¼"	34900276
Union nut PVDF G1¼"	415099072
Insertion part PVDF G1/2" _i - 1¼"	34950235
Insertion part PVDF G1" _a (NPT) - 1¼"	34900277

7.4.2 Suction lances

Ecolab suction lances include a protective function as well as a monitoring function. A sieve protects the metering pump from coarse particles, and a ball check valve prevents the suction line from running empty. At the same time, level messages for the states "pre-warning" and "empty" are provided via two float switches.

Note:

All components with moving parts are subject to wear, including suction lances.

We therefore recommend inspecting the suction lances for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

Suction lances D32 with reserve and empty signal report

incl. of ball non-return valve, suction strainer and potential-free contacts for level pre-warning and empty signal (when dropping below the level = contact interrupted).

Tube diameter:	32 mm
Material:	see suction lance code
Connection cable:	3-pin plug incl. 5 m cable
Turn-on voltage:	max. 50 V AC/DC
Switching current:	0.5 A
Rupturing capacity:	10 W / 10 VA

A-SGL-VDFEC-G5/8-10-2SS-0475-99-99-p	10240410
A-SGL-VDFEC-G5/8-10-2SS-0725-99-99-p	10240411
A-SGL-VDFEC-G5/8-10-2SS-1125-99-99-p	10240412
A-SGL-VDFEC-G5/8-10-2SS-1300-99-99-p	10240413

Suction lance code, see next page!

Connection sets G5/8" for suction lances D32
see page 37.

Diaphragm metering pump EcoPro / EcoAdd Accessories 120 l/h



Suction lance code

														1. Article type	
														A = module	
														2 Designation	
														SLG = suction lance	
														3. Suction pipe / float material	
														P = PP	
														V = PVC	
														4. Foot part / valve housing material	
														D = PVDF	
														P = PP	
														V = PVC	
														5. Sealing material (1)	
														F = FKM	
														E = EPDM	
														6. Sealing material (2)	
														0 = no 2nd sealing material	
														E = EPDM	
														7. Valve ball material	
														C = ceramics	
														T = PTFE	
														8. Connection thread	
														0000 = no connection thread	
														G3/8 = G 3/8"	
														G5/8 = G 5/8"	
														9. Nominal width suction pipe	
														06 = 6 mm (di)	
														10 = 10 mm (di)	
														10.Level contact	
														1SA = 1 make contact, ferrule	
														2SS = 2 make contacts, cable with plug	
														11.Length of suction lance	
														0475 = 475 mm	
														0540 = 540 mm	
														0725 = 725 mm	
														0750 = 750 mm	
														1125 = 1125 mm	
														1300 = 1300 mm	
														1400 = 1400 mm	
														12.Return connection	
														99 = without return connection	
														06 = hose nozzle for hose ID 6mm	
														13.Connection	
														99 = without return connection	
														14.Packaging	
														p = with packaging	
A	SLG	V	D	F	E	C	G5/8	10	2SS	475	99	99	p		

7.4.3 Bottom admission valve

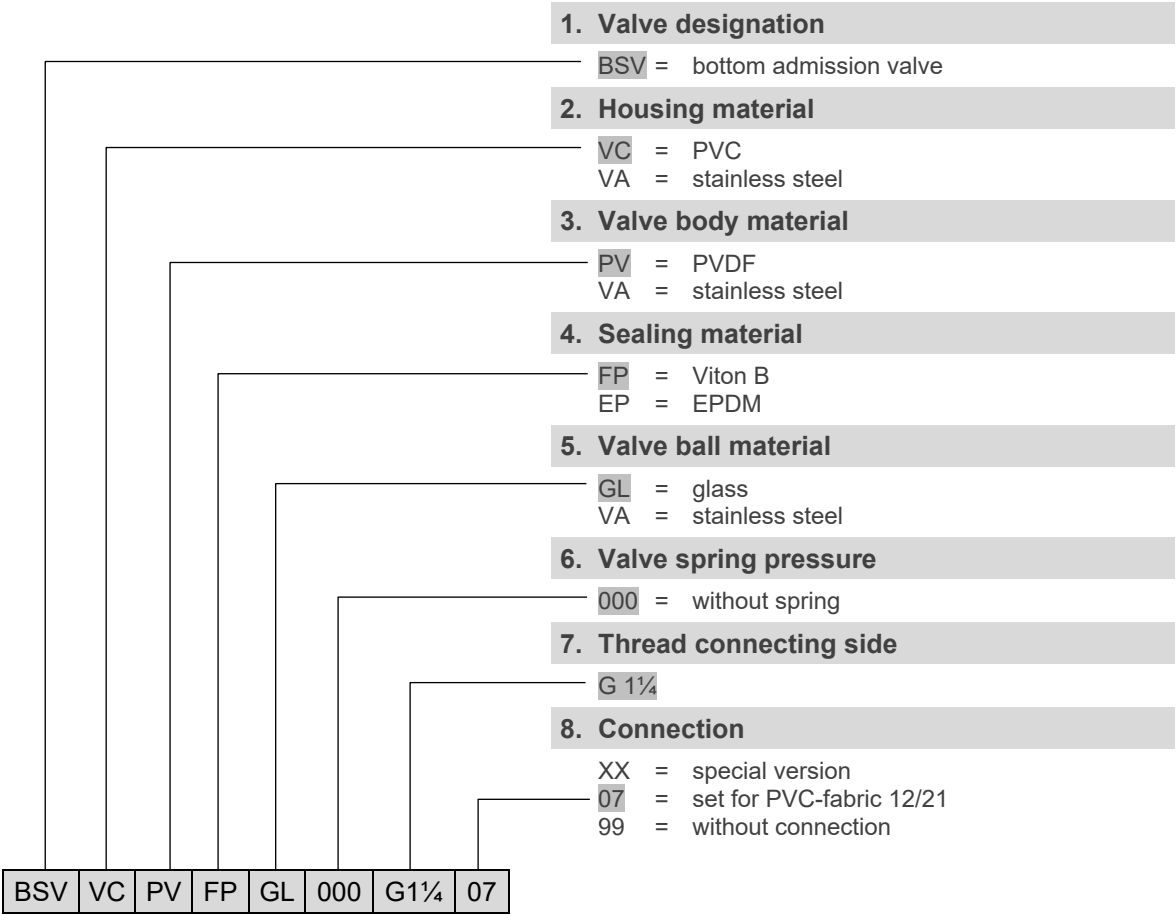
Bottom suction valves protect against dirt and coarse particles by means of a suction strainer. The integrated ball check valve prevents the suction line from running empty.

Note:
All components with moving parts are subject to wear, including bottom suction valves.
We therefore recommend inspecting the bottom suction valves for leaks and proper functioning at all service appointments and replacing them if necessary.



Article	Article no.
BSV VC PV FP GL 000 G 1¼ – 07	249019
BSV VC PV EP GL 000 G 1¼ – 07	249025
Hose connection: bush for hose NW 16 mm and NW 19 mm	
BSV VC PV FP GL 000 G 1¼ – XX	249017

Article code



7.4.4 Metering valves

Ecolab metering valves are designed as spring-loaded ball valves. They prevent the dosing line from running empty and thus increase the metering accuracy of the system.

Note:

All components with moveable parts are subject to wear, including metering valves.

We therefore recommend inspecting the metering valves for leaks and proper functioning at all service appointments and replacing them if necessary.



Article

Article no.

Metering valve with metering pipe

DVP PFC-H08-G3/4-G11/4-150-99	252184
DVP PEC-H08-G3/4-G11/4-150-99	252185
DVP DFC-H08-G3/4-G11/4-150-99	252186
DVP DEC-H08-G3/4-G11/4-150-99	252187



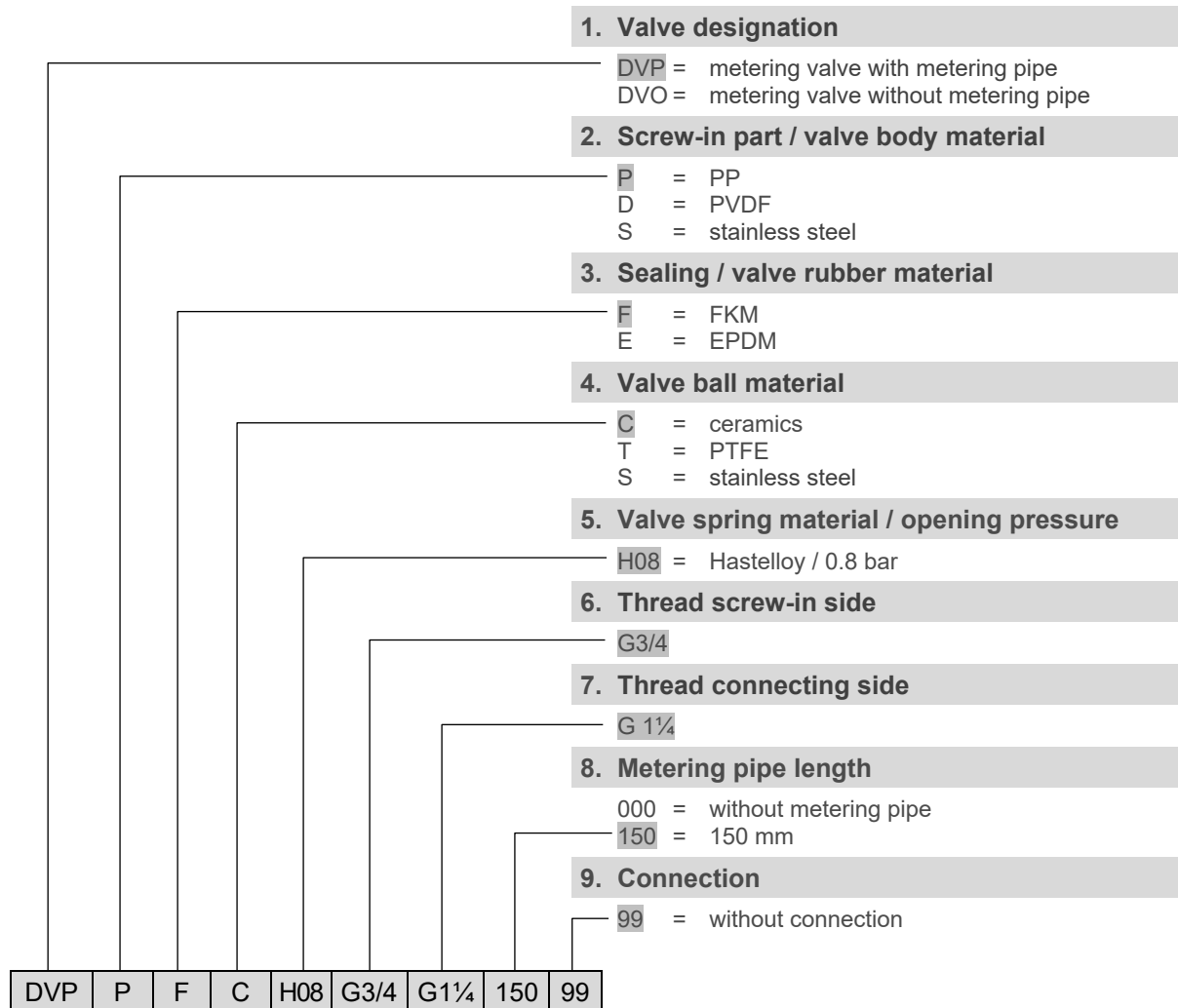
Metering valve without metering pipe (suction / pressure valve)

SDV PFC-H08-G11/4-G11/4-99	249518
SDV PEC-H08-G11/4-G11/4-99	249519
SDV DFC-H08-G11/4-G11/4-99	252038
SDV DEC-H08-G11/4-G11/4-99	252039

Note:

Hose connection set has to be ordered separately,
see 6.4.1 Connection material, page 46.

Article code



7.4.5 Suction and pressure lines

Suction and pressure lines

available by the metre
max. operating pressure: 15 bar (at 20 °C)



PVC-fabric, 12/21 mm (int.Ø/ext.Ø)
PVC-fabric, 19/27 mm (int.Ø/ext.Ø)

417400127
417400131

Note: PVC hoses

PVC hoses only have a limited service life!
Especially when metering alkaline media or under heavy mechanical load, the service life can drop to less than 6 months.

Other hose materials

The service life of other hose materials is also limited!
Depending on the metering medium and the mechanical load, the service life can vary greatly.

We therefore recommend checking the dosing hoses at all service appointments and replacing them if necessary.