

AIR OPERATED DIAPHRAGM PUMPS

BENEFITS

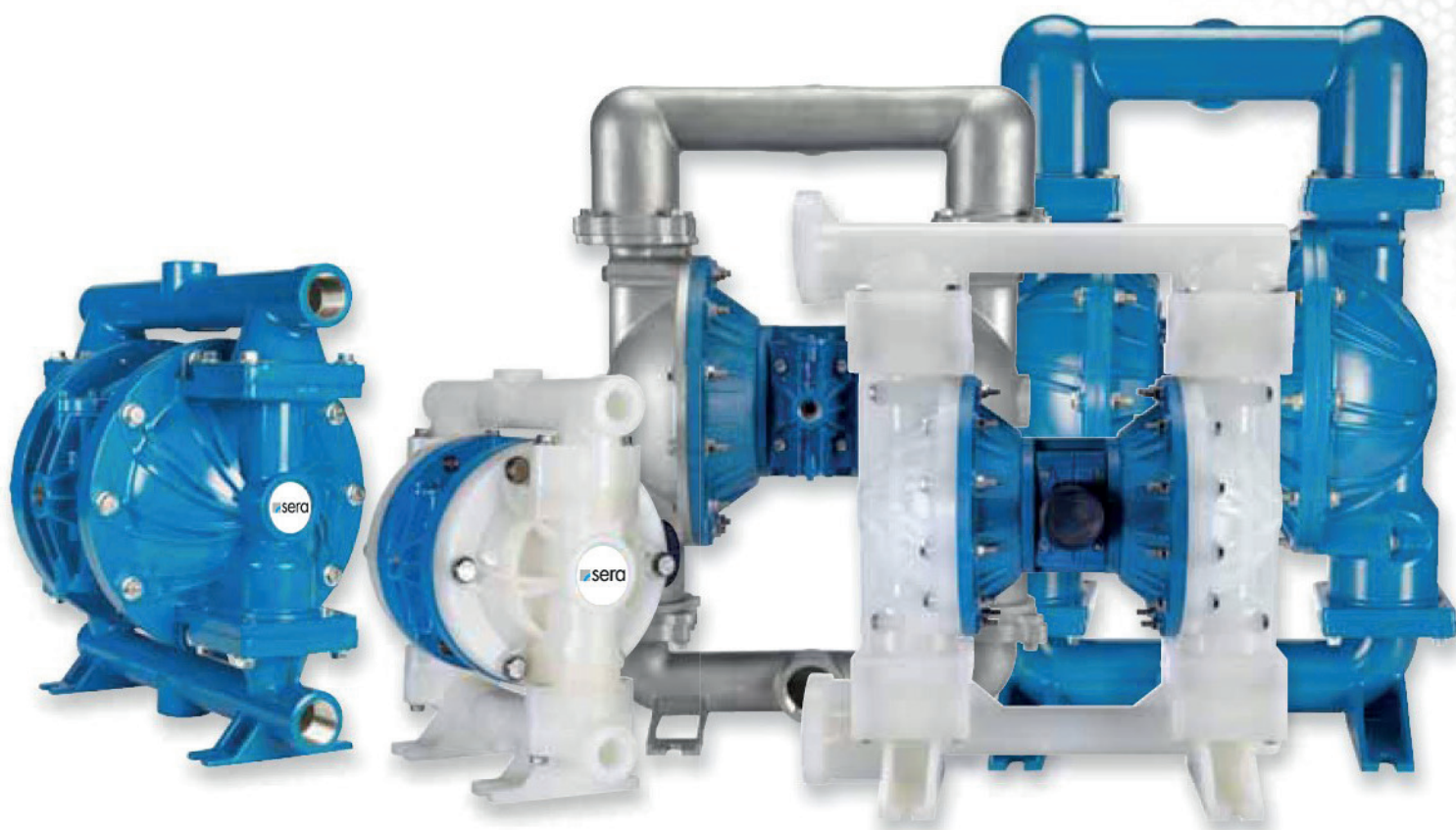
Air-operated diaphragm pumps have many benefits over other pump technologies:

- Easy to install
- Simple to operate
- Portable
- Self-priming
- Submersible
- Dry running
- Solids handling
- Abrasive handling
- Viscosity fluid handling
- Shear sensitive
- Economical compared to other positive displacement technologies
- Various applications
- Low maintenance cost

The **sera** airPUMP has its own additional unique features. It features a lube-free, non-stalling air valve, ideal for various applications and environments. The air valve contains very few parts compared to other air valves in the market, reducing maintenance time, costs and downtime. And **sera** airPUMP is backed by a strong 5 year warranty.

TYPICAL INDUSTRIES

- Mining
- Paints and Coatings
- Ceramics
- Pulp and Paper
- Electroplating and Anodizing
- Wastewater
- Marine
- OEM's
- Chemical Manufacturing and Distribution



OVERVIEW

Type	Suction-/Pressure-connection	max. Flow rate	Displacement per stroke	Control air connection		Control air pressure min/max	max. size of solids	Schall-druck-pegel	Material	Weight
	NPT	[l/min.]	Liter	Inlet FNPT	Outlet FNPT	[bar]	[mm]	[dB(A)]		[kg]
AP025	1/4"			1/2"	1/2"	0,7/8,3	6,4	73,6	PP	
									PVDF	
AP05	1/2"	77	0,08	1/4"	1/2"	0,7/8,3	4,7	72,1	PP	3,8
									PVDF	5,4
									Aluminium	5,3
									Stainless steel	7,0
AP10	1"	212	0,32	1/2"	1/2"	0,7/8,3	6,4	73,6	PP	10,9
									PVDF	15,5
									Aluminium	15,5
									Stainless steel	22,1
AP15	1 1/2"	500	1,20	3/4"	3/4"	0,7/8,3	8,9	77,0	PP	29,9
									PVDF	43,1
									Aluminium	36,4
									Stainless steel	57,6
AP20	2"	590	1,20	3/4"	3/4"	0,7/8,3	8,9	77,0	PP	30,4
									PVDF	44,2
									Aluminium	39,5
									Stainless steel	59,9
AP30	3"	908	3,70	3/4"	3/4"	0,7/8,3	12,7	86,5	Aluminium	70,3
									Stainless steel	107

NOTE

Further information on the **sera airPUMP** series can be found in the product information PI2015 (www.sera-web.com). Detailed product information in this catalog will be available soon.

AIR OPERATED DIAPHRAGM PUMPS



ÜBERBLICK

Mobile use
Easy handling
Self priming
Immersible
Dry suction
Safe to run dry
Suitable for solids
For viscous media
Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]	[bar]		dry [m]	wet [m]	
AP025 Plastic	1/4" (f) 3/4" (m)	22	1,8	8,3	0,7 - 8,3	1/8" BSP(f)	6,9	6,9	PP 1,0
									PVDF 1,4

BASIC DESIGNS

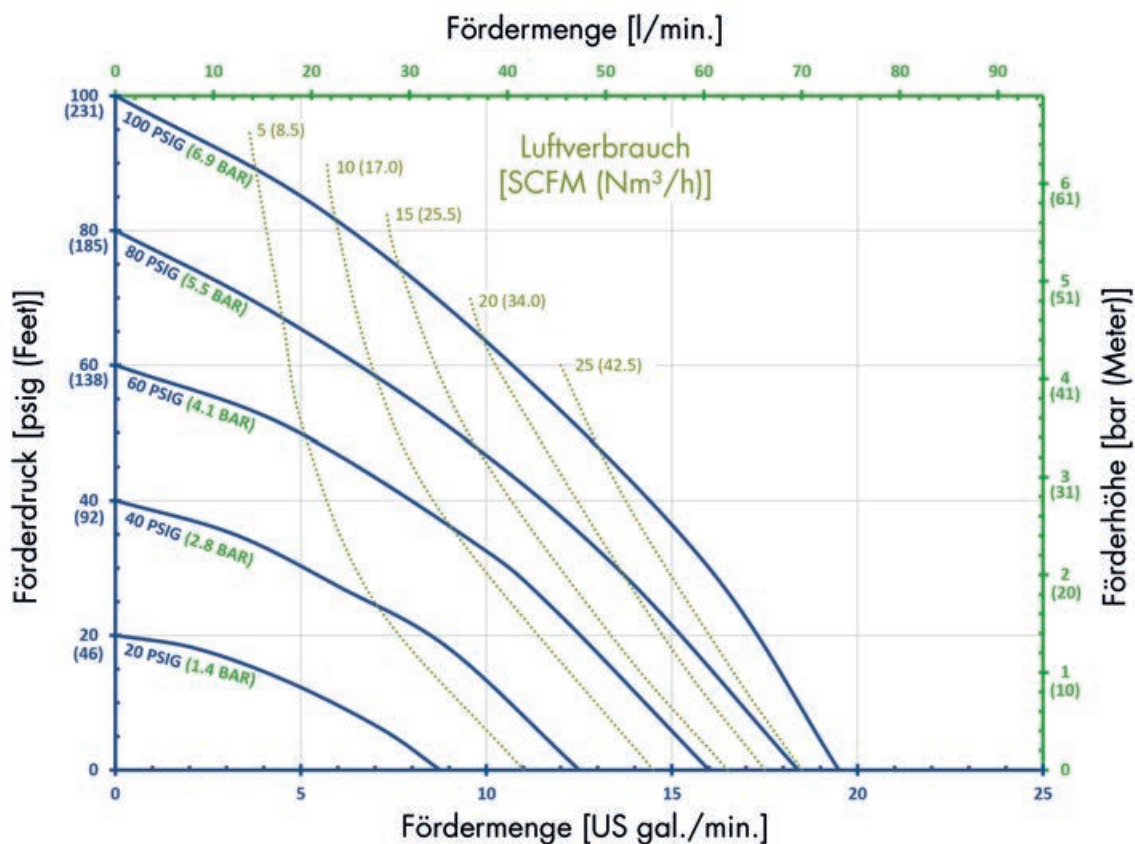
Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
								Article-No.	Price (EUR)
AP025	PP	Santoprene	PP	Santoprene	Santoprene	15007140	🕒	🕒	▲
AP025	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15007141	🕒	🕒	▲
AP025	PVDF	Santoprene	PVDF	Santoprene	Santoprene	15007142	🕒	🕒	▲
AP025	PVDF	Santoprene+PTFE	PVDF	PTFE	FEP-covered	15007143	🕒	🕒	▲

CONNECTION Suction-/Pressure side: **1/4"**
Max. flow capacity 22 l/min
Max. admissible counterpressure up to 8,3 bar

airPUMP AP025

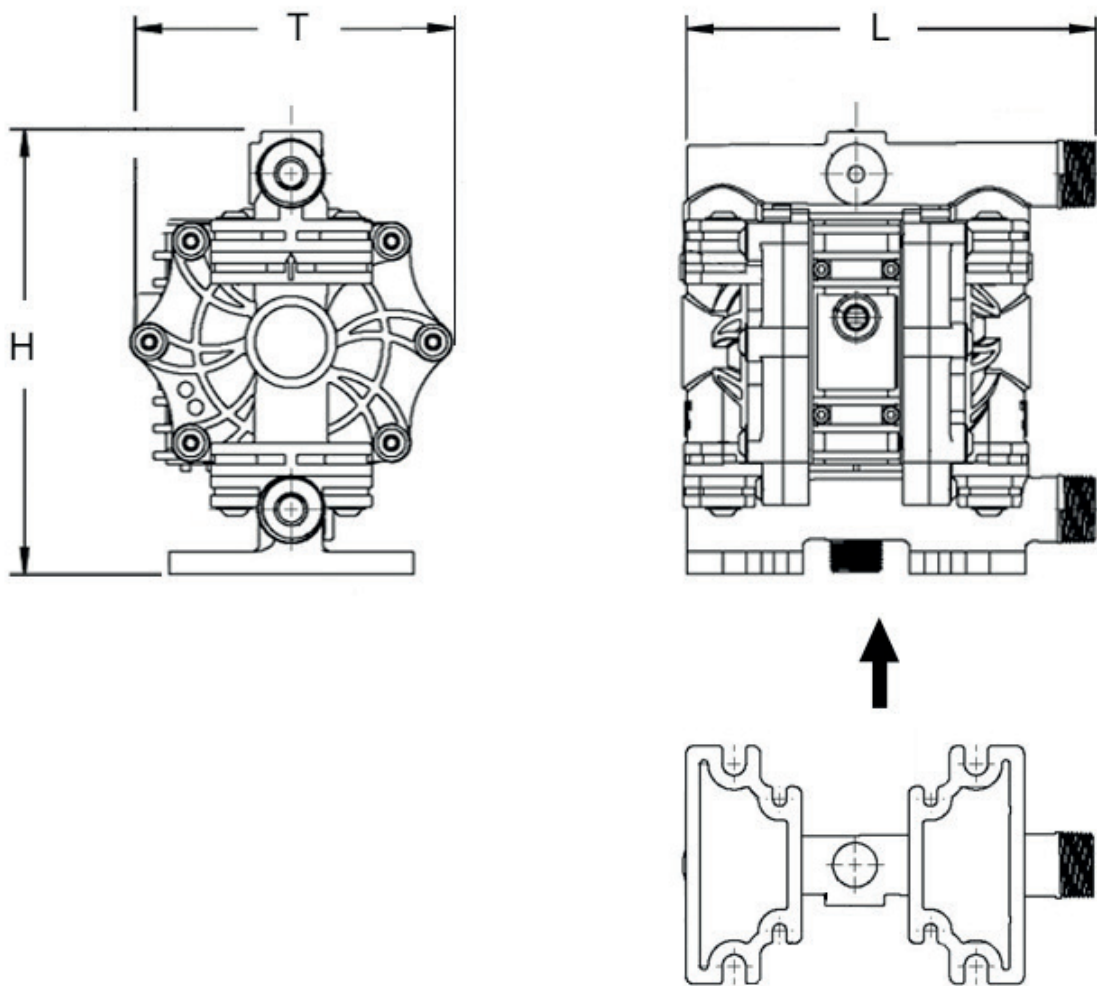
CHARACTERISTIC CURVES

Kunststoff



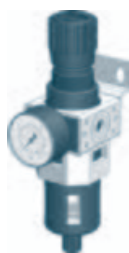
AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP025	(Plastic)
max. Length (L)	168mm
max. Height (H)	174mm
max. Width (T)	127mm

ACCESSORIES

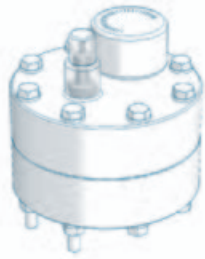


Compressed air supply unit

- Filter pressure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No.	Price (EUR)
90053115	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Plastic, PTFE-diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max. Pressure	Material	Diaphragm	Article-No.	Price (EUR)
720.1	G ½	10 bar	PVC-U	PTFE	37601848	▲
720.1	G ½	10 bar	PP	PTFE	37601856	▲
720.1	G ½	10 bar	PVDF	PTFE	37601857	▲

ACCESSORIES

Connection adapter



Thread connection	G3/4 male	PVC-U	EPDM	90025079	▲
Connction to pulsation damper	G1/2 male	PVC-U	FPM	90021733	▲
		PP	EPDM	90038083	▲
		PP	FPM	90038082	▲
		PVDF	FEP	Ⓢ	Ⓢ

Retaining clamp



(2 Piece each pulsation damper)	PP	d 16	90050991	▲
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Filling pump FLP 2 for filling device



with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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Diaphragm pulsation damper F007A Active

Properties

- Volume: 0,7 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
3/4"	PP	PP	10	0/+60°C	37607857	▲
3/4"	PP	PVDF	10	0/+60°C	37607858	▲
3/4"	PP	PVC	10	0/+60°C	37607859	▲
3/4"	AISI316L	AISI316L	60	-40/200°C	37607860	▲



AIR OPERATED DIAPHRAGM PUMPS



ÜBERBLICK

Mobile use
Easy handling
Self priming
Immersible
Dry suction
Safe to run dry
Suitable for solids
For viscous media
Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]	[bar]		dry [m]	wet [m]	
AP05 Plastic	1/2"	72	4,7	6,9	0,7 - 6,9	1/4" NPT(f)	6,9	6,9	PP 3,8 PVDF 5,4 CFPP 3,8
AP05 Metal	1/2"	76	4,7	8,3	0,7 - 8,3	1/4" NPT(f)	6,9	6,9	Stainless Steel 7,0 Aluminium 5,3

BASIC DESIGNS

	Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
									Article-No.	Price (EUR)
	AP05	PP	Santoprene	PP	Santoprene	Santoprene	15006967	☎	90052064	▲
	AP05	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15006968	☎	90052072	▲
	AP05	PVDF	Santoprene	PVDF	Santoprene	Santoprene	15006969	☎	90052073	▲
	AP05	PVDF	Santoprene+PTFE	PVDF	PTFE	FEP-covered	15006970	☎	90052074	▲
	AP05	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006977	☎	90052080	▲
	AP05	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15006978	☎	90052081	▲
	AP05	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15006975	☎	90052078	▲
	AP05	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15006976	☎	90052079	▲
	AP05	PP	Santoprene	PP	Santoprene	FEP-covered	15006971	☎	90052075	▲
	AP05	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15006972	☎	90052072	▲
FDA	AP05	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006973	☎	90052076	▲
	AP05	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15006974	☎	90052077	▲
	AP05	CFPP	Santoprene	PP	Santoprene	Santoprene	15006979	☎	90052064	▲
	AP05	CFPP	Santoprene+PTFE	PP	PTFE	FEP-covered	15006980	☎	90052072	▲
	AP05	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006981	☎	90052080	▲
	AP05	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15006982	☎	90052081	▲
	AP05	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15006983	☎	90052078	▲
	AP05	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15006984	☎	90052079	▲
ATEX ¹⁾										

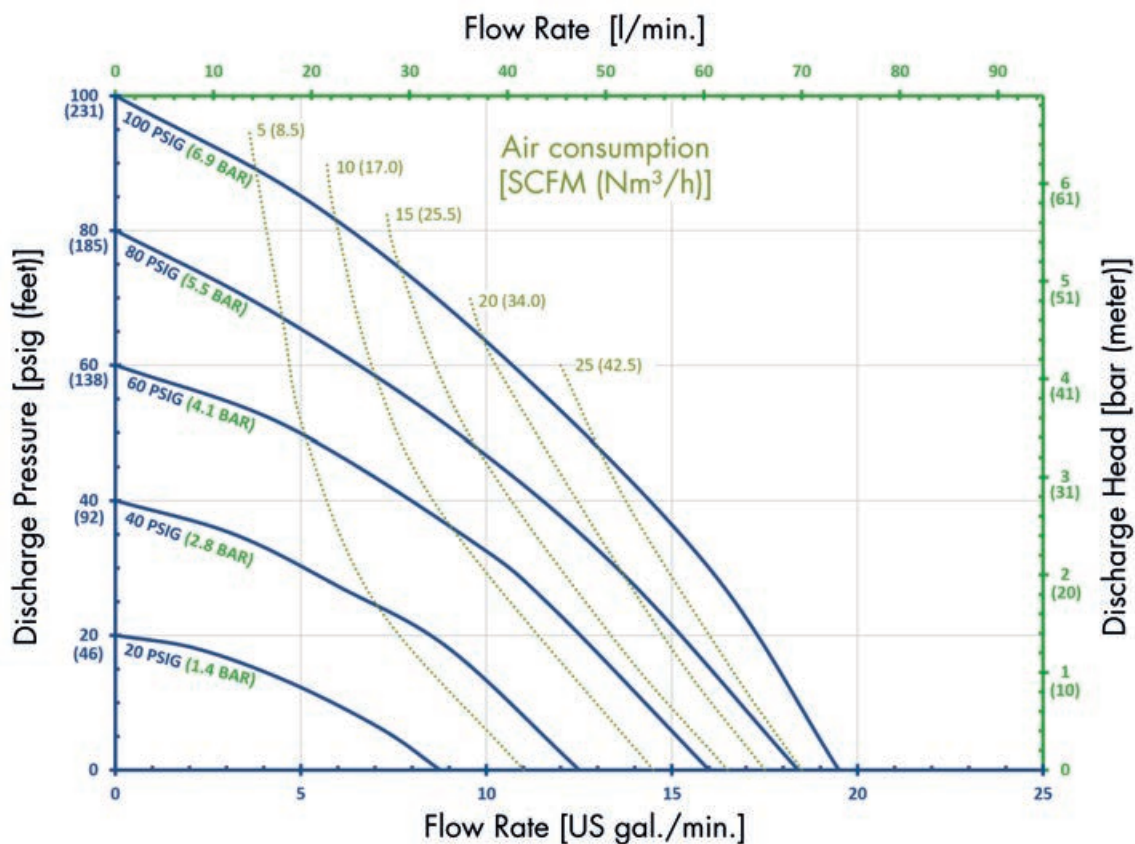
¹⁾ Zone: Ex II 2GD c IIB TX

CONNECTION Suction-/Pressure side: 1/2"
Max. flow capacity 77 l/min
Max. admissible counterpressure up to 8,3 bar

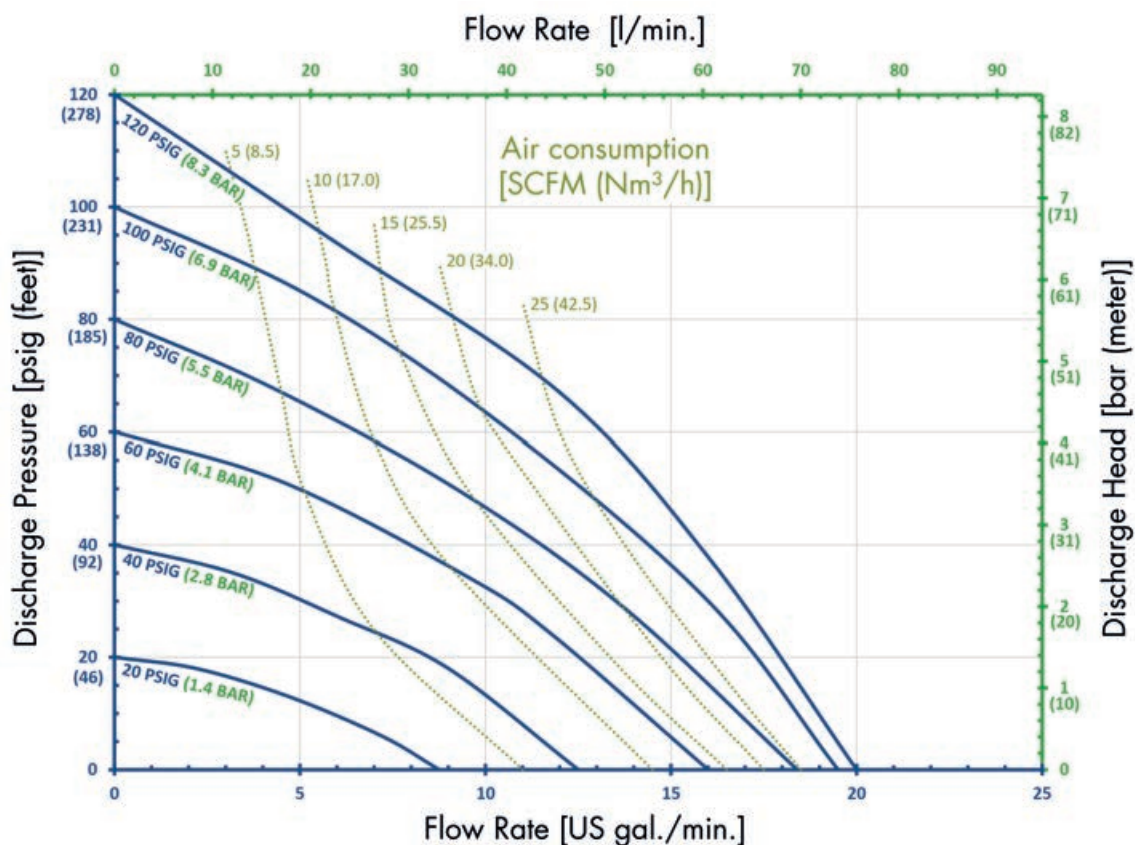
airPUMP AP05

CHARACTERISTIC CURVES

Plastic

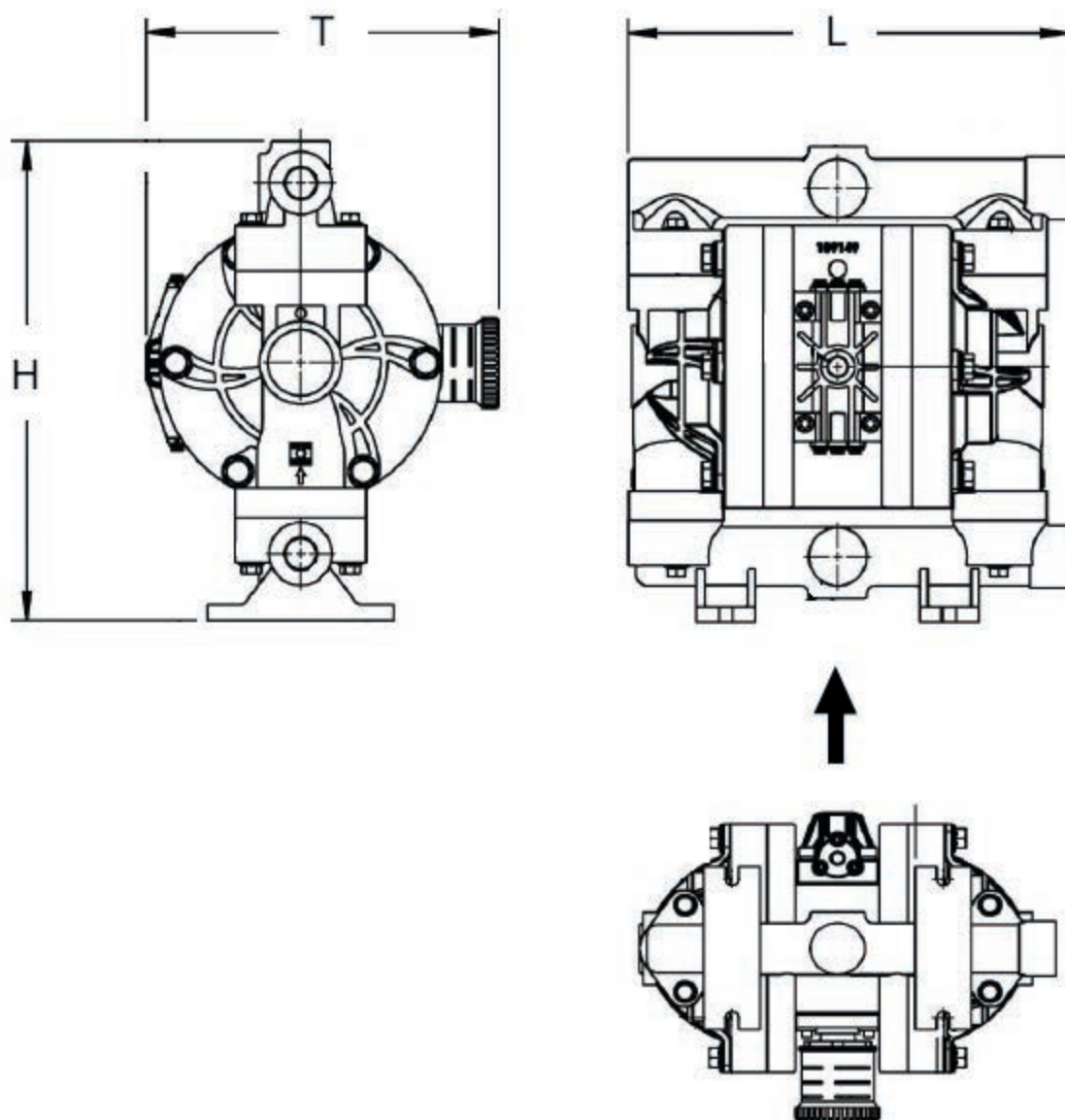


Metal



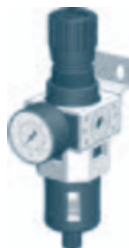
AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP05	(Plastic)	(Metal)
max. Length (L)	259mm	246mm
max. Height (H)	276mm	250mm
max. Width (T)	204mm	204mm

ACCESSORIES



Compressed air supply unit

- Filter pressure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No. Price (EUR)

90052195



Connection adapter

- two pieces are required per pump

Pump connection	Adapter connections	Material	Seals	Article-No.	Price (EUR)
G 1/2	G1/2 - G3/4	PP	EPDM	90044750	▲
G 1/2	G1/2 - G3/4	PP	FPM	90044755	▲
G 1/2	G1/2 - G3/4	1.4571	FEP	90044761	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper F007A Active

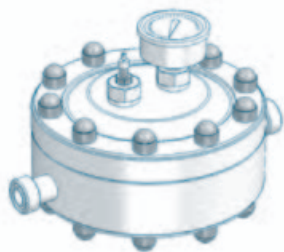
Properties

- Volume: 0,7 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
3/4"	PP	PP	10	0/+60°C	37607857	▲
3/4"	PP	PVDF	10	0/+60°C	37607858	▲
3/4"	PP	PVC	10	0/+60°C	37607859	▲
3/4"	AISI316L	AISI316L	60	-40/200°C	37607860	▲

AIR OPERATED DIAPHRAGM PUMPS

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Plastic, PTFE(-faced) diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance
- Diaphragm: PTFE-faced

Type	Connection	max. Pressure	Material	Seals	Article-No.	Price (EUR)
721.2	G 3/4	10 bar	PVC-U	EPDM	37602014	▲
721.2	G 3/4	10 bar	PVC-U	FPM	37602013	▲
721.2	G 3/4	10 bar	PP	EPDM	37603419	▲
721.2	G 3/4	10 bar	PP	FPM	37602017	▲
721.2	G 3/4	10 bar	PVDF	FEP	37604046	▲

ACCESSORIES



Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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Retaining clamp

(2 Piece each pulsation damper)	PP	d 25	90036934	▲
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FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Stainless steel, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max.Pressure	Material	Diaphragm	Article-No.	Price (EUR)
810.1-0,16/10	G ½	10 bar	1.4571	Butyl	37603720	▲
810.1-0,16/10	G ½	10 bar	1.4571	FPM	37603724	▲
810.1-0,16/10	G ½	10 bar	1.4571	PTFE	×	×

ACCESSORIES



Filling- and pressure measuring device

(mounted on pulsation damper)

Design: Plastic	Manometer: 0-16 bar Measuring system: copper alloyed	●
Design: Stainless steel	Manometer: 0-16 bar, glycerine-damped Measuring system: copper alloyed Housing: 1.4301	▲



Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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AIR OPERATED DIAPHRAGM PUMPS



ÜBERBLICK

Mobile use
Easy handling
Self priming
Immersible
Dry suction
Safe to run dry
Suitable for solids
For viscous media
Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]			dry [m]	wet [m]	
AP10 Plastic	1"	185	6,4	6,9	0,7 - 6,9	1/2" NPT(f)	6,4	8,5	PP 10,9
									PVDF 15,5
AP10 Metal	1"	193	6,4	8,3	0,7 - 8,3	1/2" NPT(f)	6,4	8,5	Stainless Steel 22,1
									Aluminium 15,5

BASIC DESIGNS

	Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
									Article-No.	Price (EUR)
FDA	AP10	PP	Santoprene	PP	Santoprene	Santoprene	15006985	☎	90052082	▲
	AP10	PP	Santoprene+PTFE	PP	PTFE	FEP-ummantelt	15006986	☎	90052083	▲
	AP10	PVDF	Santoprene	PVDF	Santoprene	Santoprene	15006987	☎	90052084	▲
	AP10	PVDF	Santoprene+PTFE	PVDF	PTFE	FEP-ummantelt	15006988	☎	90052085	▲
	AP10	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006995	☎	90052086	▲
	AP10	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15006996	☎	90052087	▲
	AP10	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15006993	☎	90052092	▲
	AP10	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15006994	☎	90052093	▲
	AP10	PP	Santoprene	PP	Santoprene	FEP-ummantelt	15006989	☎	90052088	▲
	AP10	PP	Santoprene+PTFE	PP	PTFE	FEP-ummantelt	15006990	☎	90052089	▲
ATEX ¹⁾	AP10	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006991	☎	90052090	▲
	AP10	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15006992	☎	90052091	▲
	AP10	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15006999	☎	90052086	▲
	AP10	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007000	☎	90052087	▲
	AP10	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15006997	☎	90052092	▲
	AP10	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15006998	☎	90052093	▲

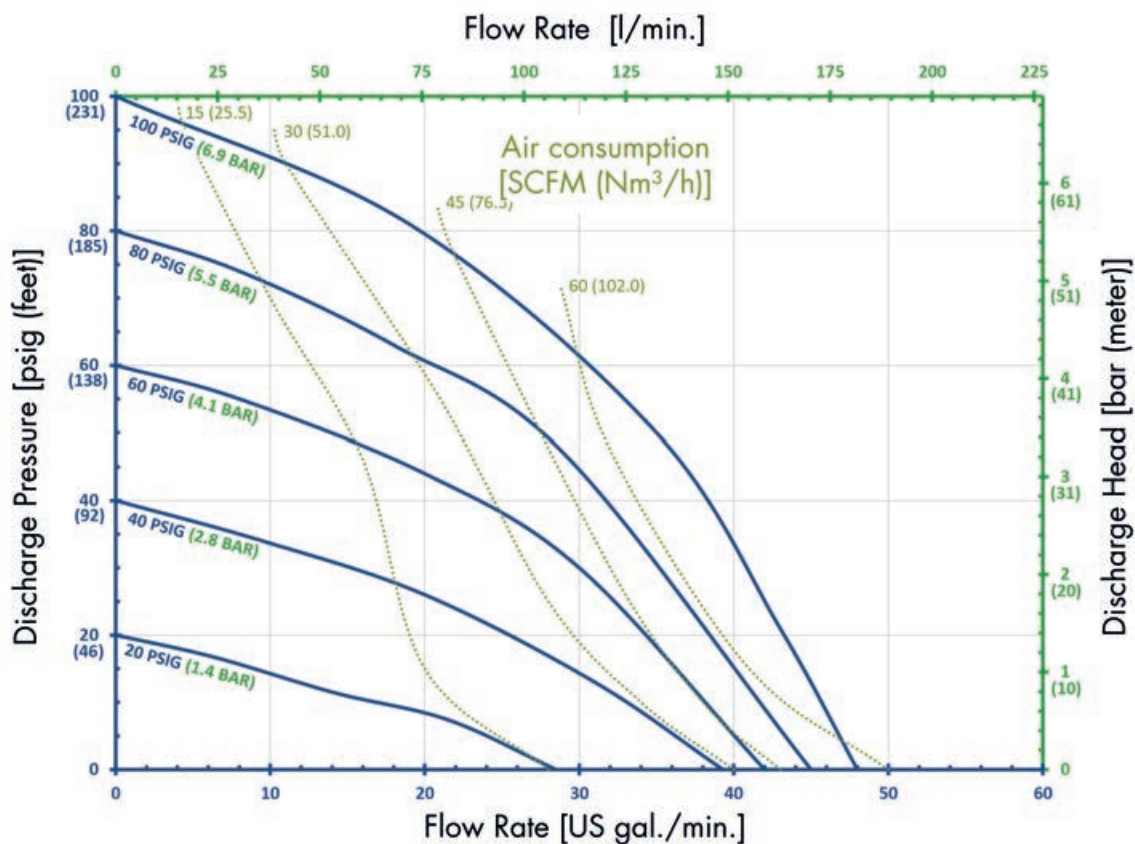
¹⁾ Zone: Ex II 2GD c IIB TX

CONNECTION Suction-/Pressure side: 1"
 Max. flow capacity 212 l/min
 Max. admissible counterpressure up to 8,3 bar

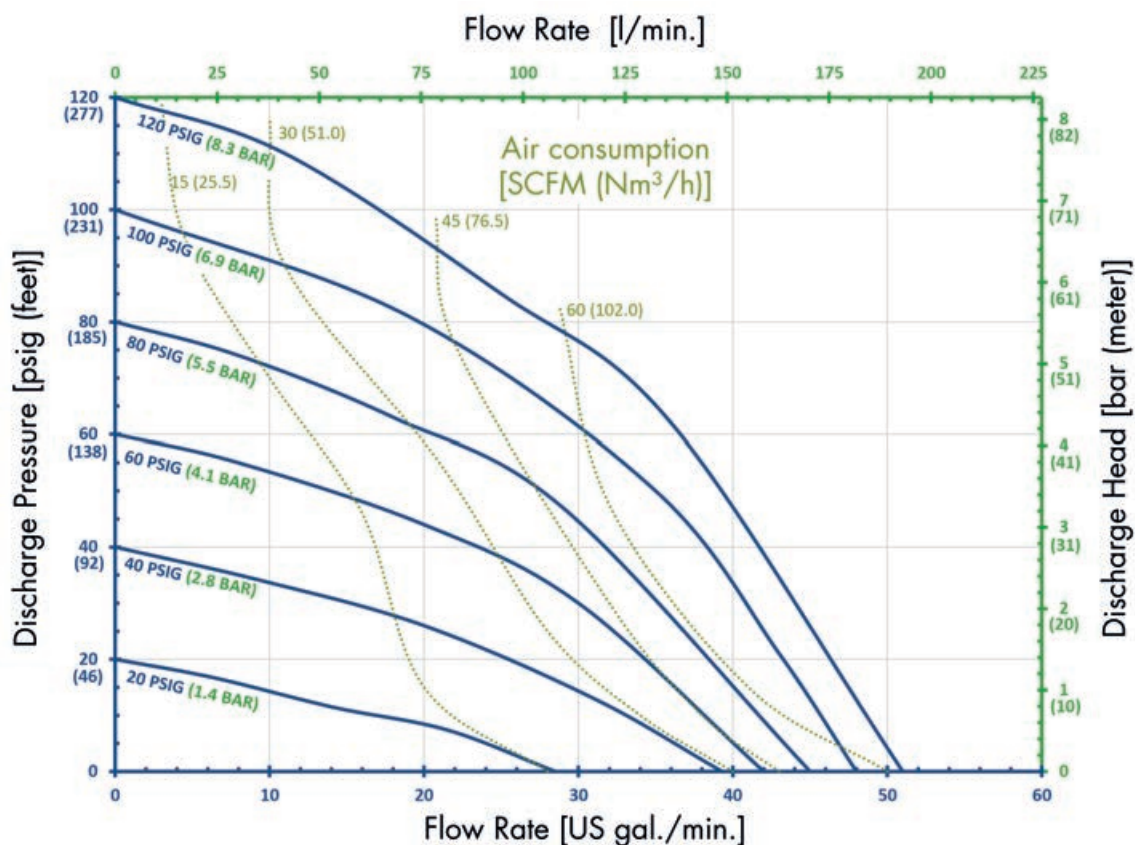
airPUMP AP10

CHARACTERISTIC CURVES

Plastic

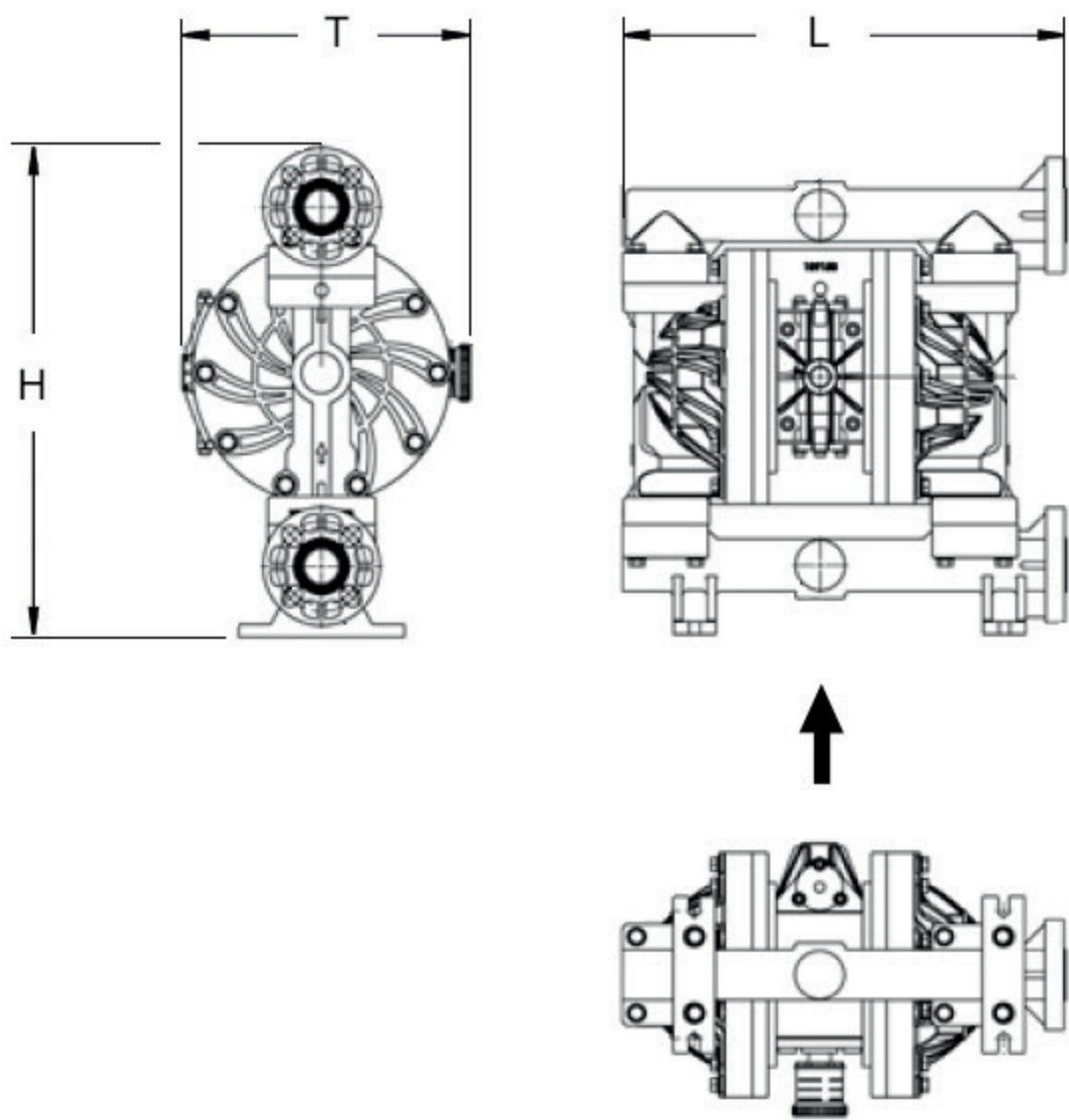


Metal



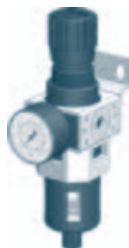
AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP10	(Plastic)	(Metal)	
max. Length (L)	427mm	Aluminium	375mm
max. Height (H)	454mm	Stainless steel	364mm
max. Width (T)	271mm	Aluminium	366mm
		Stainless steel	360mm
		Aluminium	271mm
		Stainless steel	271mm

ACCESSORIES



Compressed air supply unit

- Filter pressure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No. Price (EUR)

90052196



Connection adapter

- two pieces are required per pump

Pump connection	Adapter connections	Material	Seals	Article-No.	Price (EUR)
G 1	G1 - G1 1/4	PP	EPDM	90044751	▲
G 1	G1 - G1 1/4	PP	FPM	90044757	▲
G 1	G1 - G1 1/4	1.4571	FEP	90044762	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper F007A Active

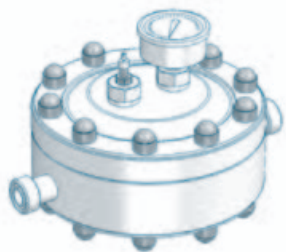
Properties

- Volume: 0,7 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
3/4"	PP	PP	10	0/+60°C	37607857	▲
3/4"	PP	PVDF	10	0/+60°C	37607858	▲
3/4"	PP	PVC	10	0/+60°C	37607859	▲
3/4"	AISI316L	AISI316L	60	-40/200°C	37607860	▲

AIR OPERATED DIAPHRAGM PUMPS

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Plastic, PTFE(-faced) diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance
- Diaphragm: PTFE-faced

Type	Connection	max. Pressure	Material	Seals	Article-No.	Price (EUR)
722.1	G 1	10 bar	PVC-U	EPDM	37600647	▲
722.1	G 1	10 bar	PVC-U	FPM	30100008	▲
722.1	G 1	10 bar	PP	EPDM	37600676	▲
722.1	G 1	10 bar	PP	FPM	30100009	▲
722.1	G 1	10 bar	PVDF	FEP	37601852	▲

ACCESSORIES



Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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Retaining clamp

(2 Piece each pulsation damper)	PP	d 25	90036934	▲
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FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Stainless steel, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max.Pressure	Material	Diaphragm	Article-No.	Price (EUR)
810.1-0,32/10	G ½	10 bar	1.4571	Butyl	37603721	▲
810.1-0,32/10	G ½	10 bar	1.4571	FPM	37603725	▲
810.1-0,32/10	G ½	10 bar	1.4571	PTFE	×	×

ACCESSORIES



Filling- and pressure measuring device

(mounted on pulsation damper)

Design: Plastic	Manometer: 0-16 bar Measuring system: copper alloyed	●
Design: Stainless steel	Manometer: 0-16 bar, glycerine-damped Measuring system: copper alloyed Housing: 1.4301	▲



Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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ÜBERBLICK

Mobile use
Easy handling
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Dry suction
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Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]	[bar]		dry [m]	wet [m]	
AP15 Plastic	1 1/2"	473	9,7	6,9	0,7 - 6,9	1/2" NPT(f)	5,5	8,5	PP 18,6
									PVDF 27,2
AP15 Metal	1 1/2"	503	9,7	8,3	0,7 - 8,3	1/2" NPT(f)	5,5	8,5	Stainless Steel 44,5
									Aluminium 23,6

BASIC DESIGNS

	Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
									Article-No.	Price (EUR)
FDA ATEX ¹⁾	AP15	PP	Santoprene	PP	Santoprene	Santoprene	15007001	☎	90052094	▲
	AP15	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15007002	☎	90052095	▲
	AP15	PVDF	Santoprene	PVDF	Santoprene	Santoprene	15007003	☎	90052096	▲
	AP15	PVDF	Santoprene+PTFE	PVDF	PTFE	FEP-covered	15007004	☎	90052097	▲
	AP15	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007011	☎	90052104	▲
	AP15	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007012	☎	90052105	▲
	AP15	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15007009	☎	90052102	▲
	AP15	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007010	☎	90052103	▲
	AP15	PP	Santoprene	PP	Santoprene	FEP-covered	15007005	☎	90052098	▲
	AP15	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15007006	☎	90052099	▲
	AP15	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007007	☎	90052100	▲
	AP15	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007008	☎	90052101	▲
	AP15	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007013	☎	90052104	▲
	AP15	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007014	☎	90052105	▲
	AP15	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15007015	☎	90052102	▲
	AP15	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007016	☎	90052103	▲

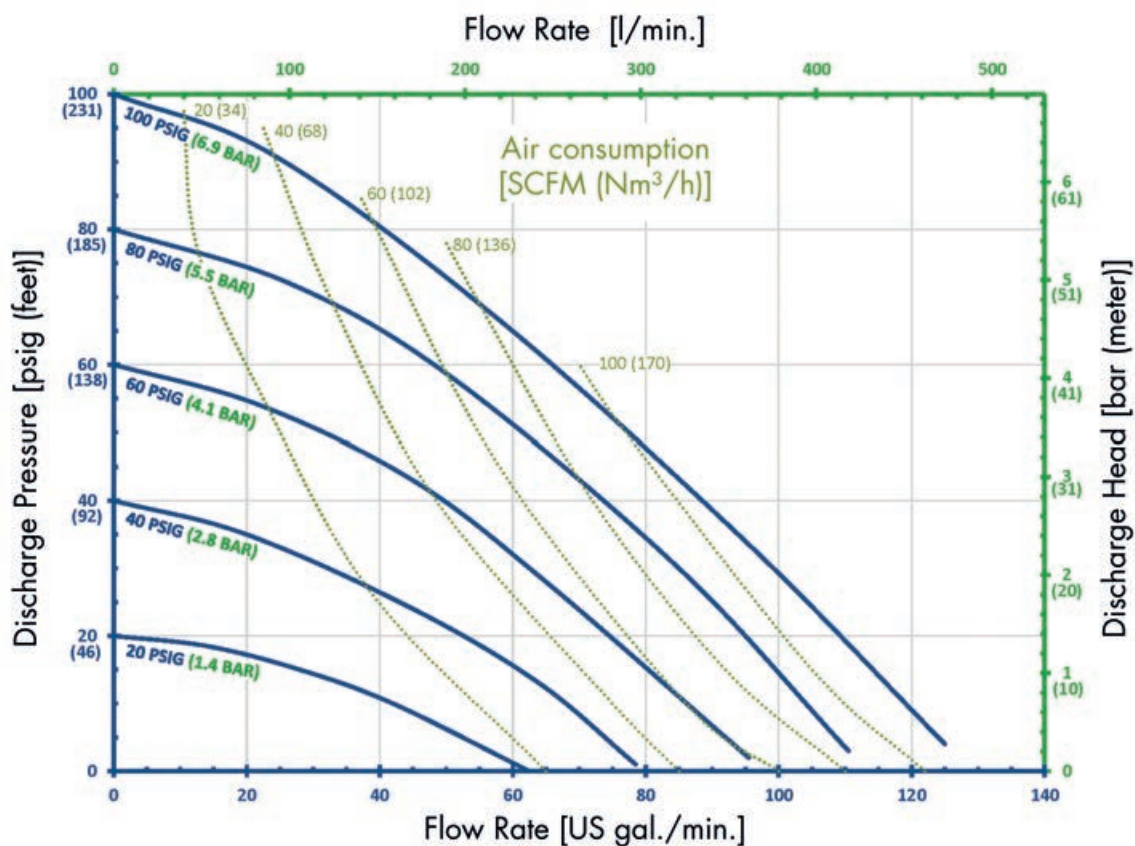
¹⁾ Zone: Ex II 2GD c IIB TX

CONNECTION Suction-/Pressure side: 1 1/2"
 Max. flow capacity 500 l/min
 Max. admissible counterpressure up to 8,3 bar

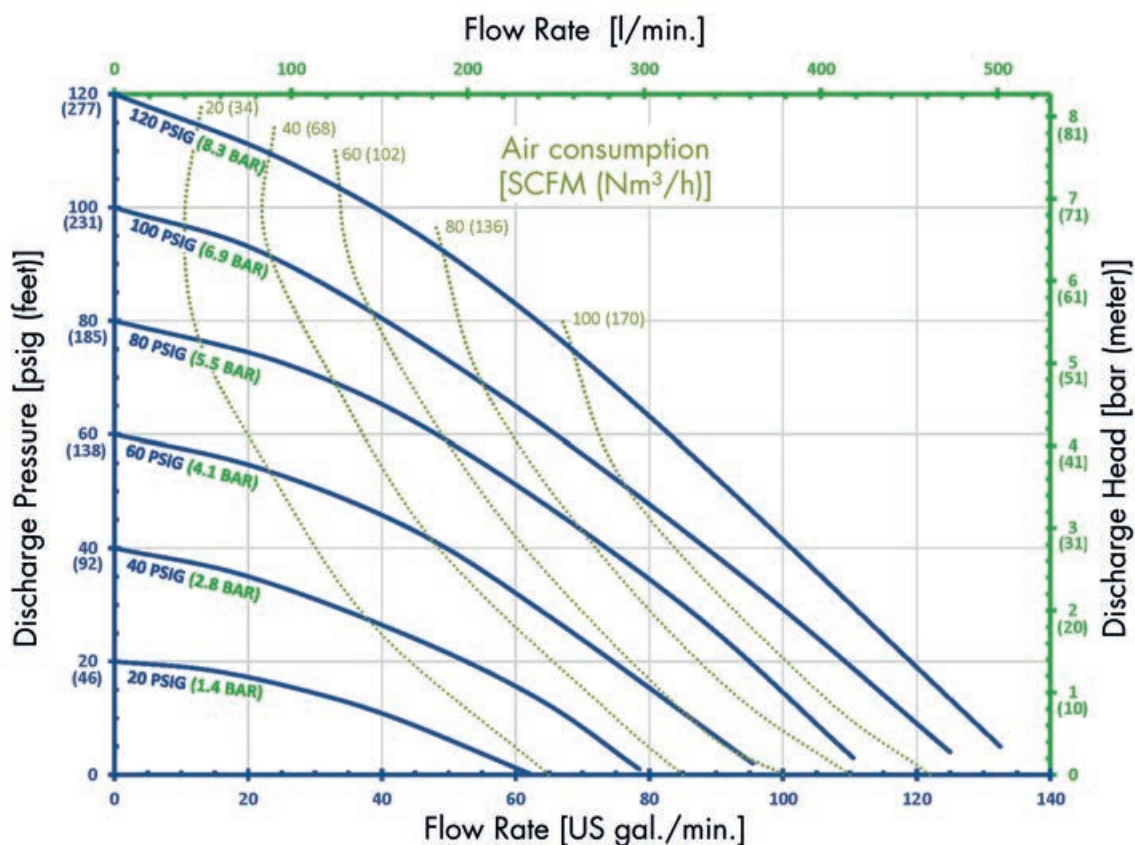
airPUMP AP15

CHARACTERISTIC CURVES

Plastic

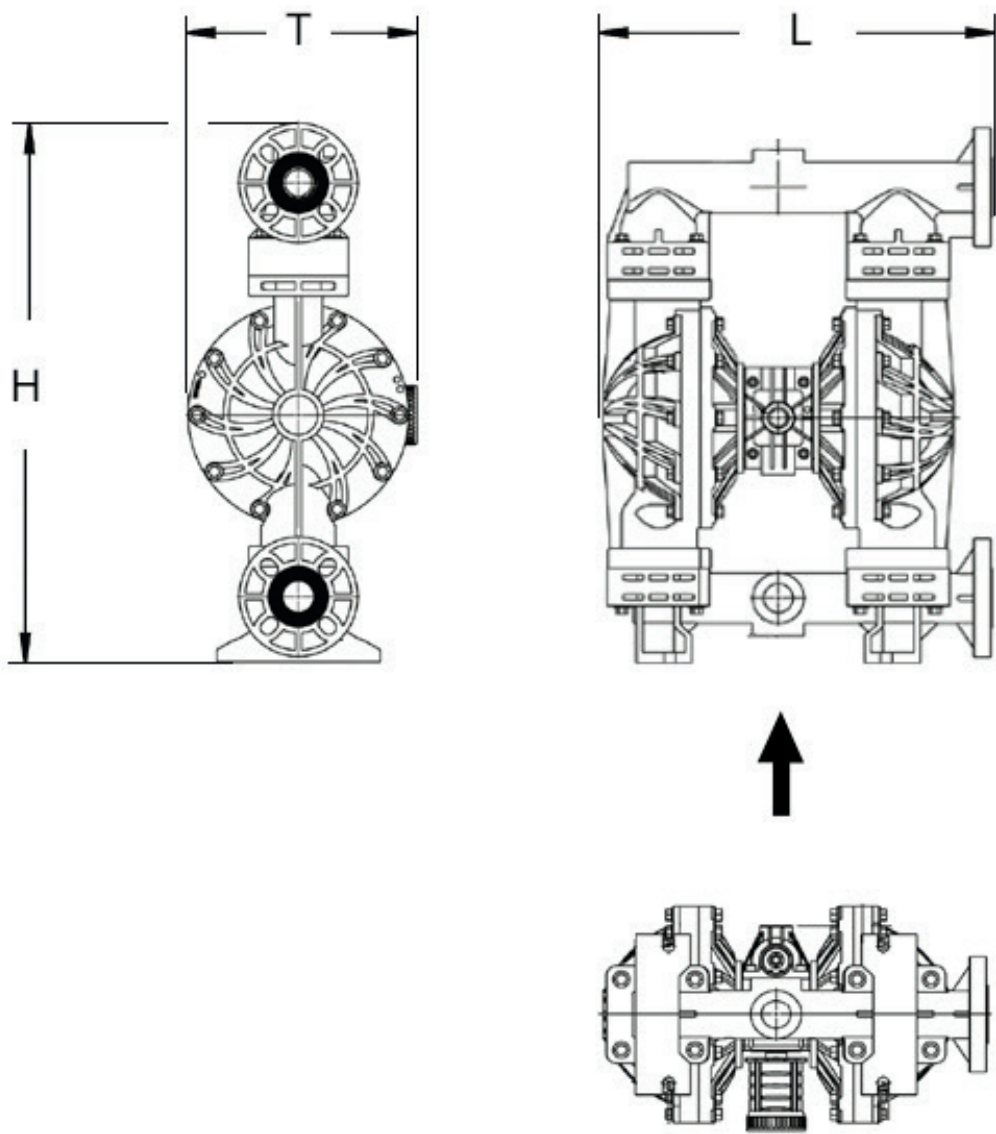


Metal



AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP15	(Plastic)	(Metal)	
max. Length (L)	475mm	Aluminium	494mm
max. Height (H)	677mm	Stainless steel	494mm
		Aluminium	445mm
max. Width (T)	290mm	Stainless steel	482mm
		Aluminium	290mm
		Stainless steel	290mm

ACCESSORIES



Compressed air supply unit

- Filter pressure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No. Price (EUR)

90052196



Connection adapter

- two pieces are required per pump

Pump connection	Adapter connections	Material	Seals	Article-No.	Price (EUR)
G 1 1/2	G1 1/2 - G2 1/4	PP	EPDM	90044752	▲
G 1 1/2	G1 1/2 - G2 1/4	PP	FPM	90044758	▲
G 1 1/2	G1 1/2 - G2 1/4	1.4571	FEP	90044763	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper F030A Active

Properties

- Volume: 2,6 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
1"	PP	PP	10	0/+60°C	37607861	▲
1"	PP	PVDF	10	0/+60°C	37607862	▲
1"	PP	PVC	10	0/+60°C	37607863	▲
1"	AISI316L	AISI316L	40	-40/200°C	37607864	▲

AIR OPERATED DIAPHRAGM PUMPS

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Stainless steel, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max.Pressure	Material	Diaphragm	Article-No.	Price (EUR)
810.1-2,0/10	G 3/4	10 bar	1.4571	Butyl	37603723	▲
810.1-2,0/10	G 3/4	10 bar	1.4571	FPM	37603727	▲
810.1-2,0/10	G 3/4	10 bar	1.4571	PTFE	37606308	▲

ACCESSORIES

Filling- and pressure measuring device

(mounted on pulsation damper)

Design: Plastic	Manometer: 0-16 bar Measuring system: copper alloyed	●
Design: Stainless steel	Manometer: 0-16 bar, glycerine-damped Measuring system: copper alloyed Housing: 1.4301	▲

Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Plastic, with elastomere diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max. Pressure	Housing	Diaphragm Seals	Article-No.	Price (EUR)
713.1	G 1 ¼	10 bar	PVC-U	EPDM	30071038	▲
713.1	G 1 ¼	10 bar	PVC-U	FPM	30071039	▲
713.1	G 1 ¼	10 bar	PP	EPDM	30071040	▲
713.1	G 1 ¼	10 bar	PP	FPM	30071041	▲
713.1	G 1 ¼	10 bar	PVDF	EPDM	30071060	▲
713.1	G 1 ¼	10 bar	PVDF	FPM	30071061	▲

OPTIONS

Loose-type flanges	Design acc. to DIN 2501, incl. O-Rings				
PVC-design	Loose flange, PVC-U	DN20			▲
PP-/PVDF-design	Loose flange, PP with steel insert	DN20			▲

ACCESSORIES

Bracket	PP	90010913	▲
for wall mounting	1.4301	90010914	▲
	Steel (color treated)	90010915	▲
Filling pump FLP 2	for filling device		
with manometer, max. 7 bar incl. 2m hose and coupling for air valve		90009396	▲



AIR OPERATED DIAPHRAGM PUMPS



ÜBERBLICK

Mobile use
Easy handling
Self priming
Immersible
Dry suction
Safe to run dry
Suitable for solids
For viscous media
Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]	[bar]		dry [m]	wet [m]	
AP20 Plastic	2"	583	8,9	6,9	0,7 - 6,9	3/4" NPT(f)	2,8 - 4	8,5	PP 30,4
									PVDF 44,2
AP20 Metal	2"	590	8,9	8,3	0,7 - 8,3	3/4" NPT(f)	2,8 - 4	8,5	Stainless Steel 59,0
									Aluminium 39,5

BASIC DESIGNS

	Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
									Article-No.	Price (EUR)
FDA	AP20	PP	Santoprene	PP	Santoprene	Santoprene	15007017	☉	90052106	▲
	AP20	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15007018	☉	90052107	▲
	AP20	PVDF	Santoprene	PVDF	Santoprene	Santoprene	15007019	☉	90052108	▲
	AP20	PVDF	Santoprene+PTFE	PVDF	PTFE	FEP-covered	15007020	☉	90052109	▲
	AP20	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007027	☉	90052116	▲
	AP20	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007028	☉	90052117	▲
	AP20	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15007025	☉	90052114	▲
	AP20	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007026	☉	90052115	▲
	AP20	PP	Santoprene	PP	Santoprene	FEP-covered	15007021	☉	90052110	▲
	AP20	PP	Santoprene+PTFE	PP	PTFE	FEP-covered	15007022	☉	90052111	▲
ATEX ¹⁾	AP20	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007023	☉	90052112	▲
	AP20	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007024	☉	90052113	▲
	AP20	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007029	☉	90052116	▲
	AP20	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007030	☉	90052117	▲
	AP20	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15007031	☉	90052114	▲
	AP20	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007032	☉	90052115	▲

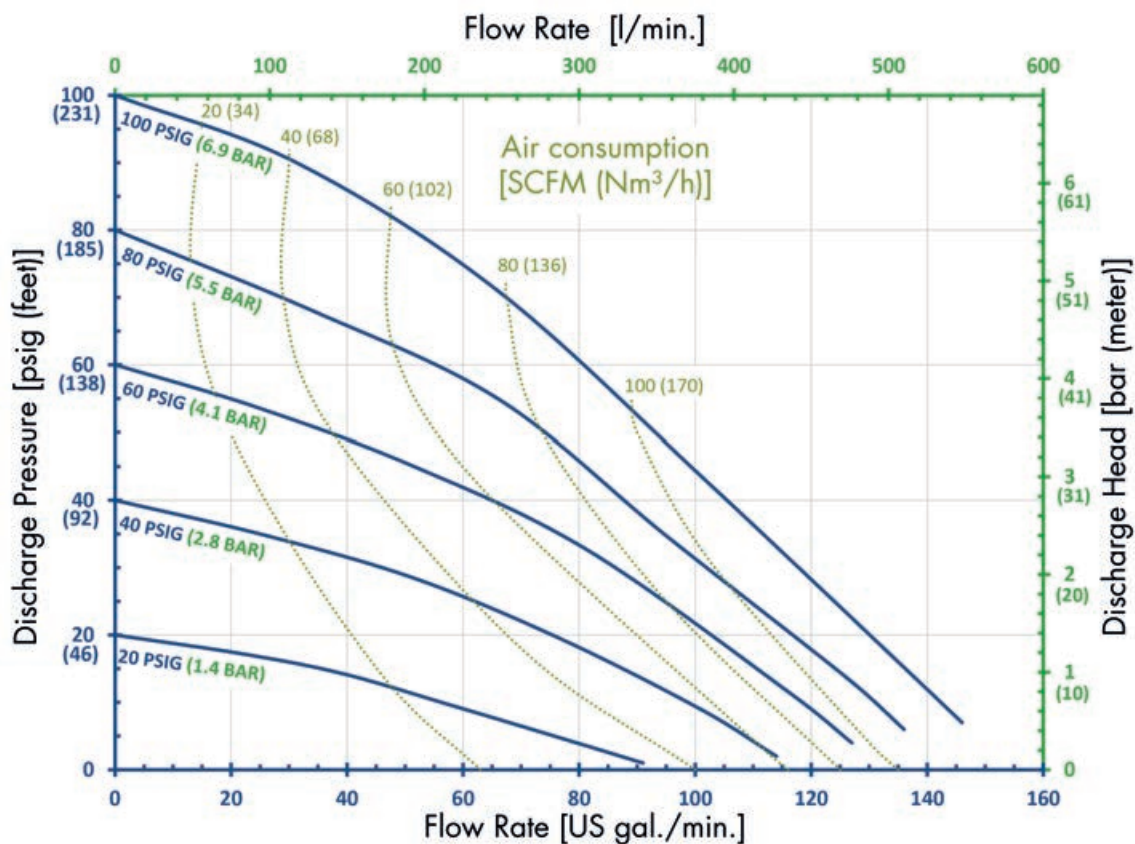
¹⁾ Zone: Ex II 2GD c IIB TX

CONNECTION Suction-/Pressure side: 2"
 Max. flow capacity 590 l/min
 Max. admissible counterpressure up to 8,3 bar

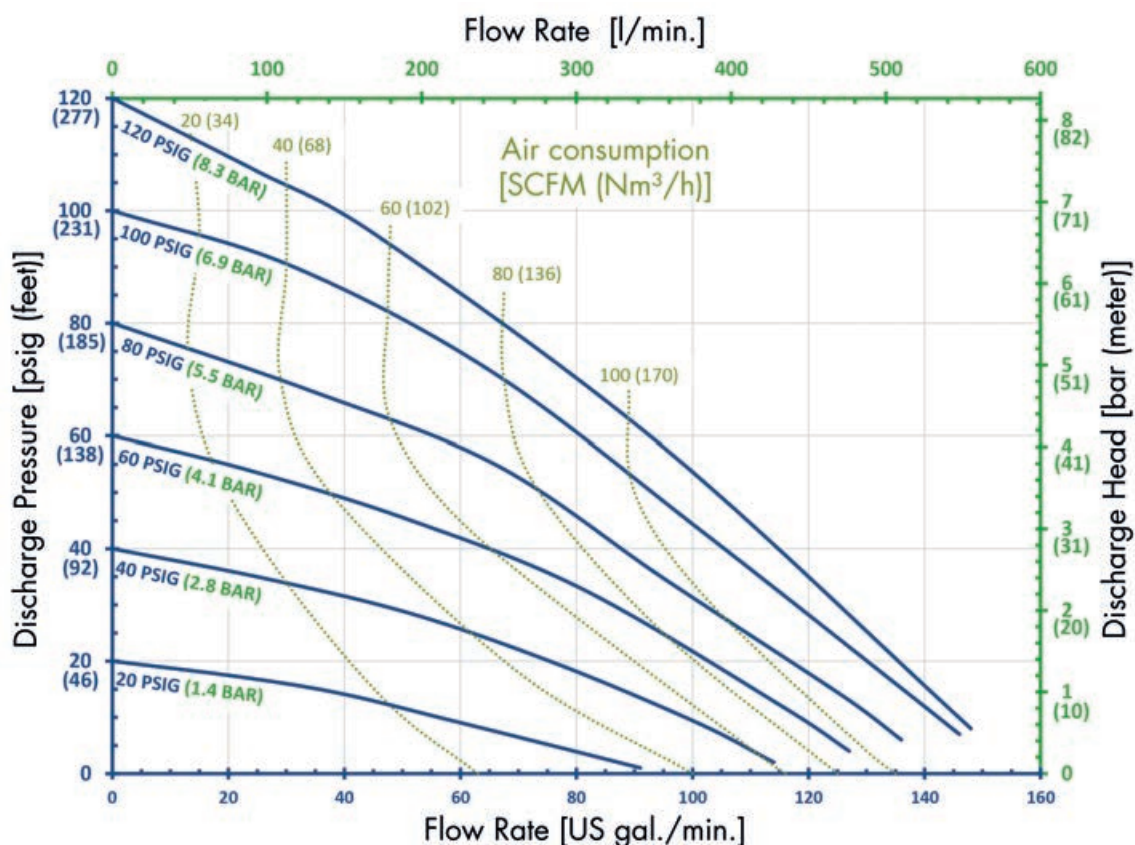
airPUMP AP20

CHARACTERISTIC CURVES

Plastic

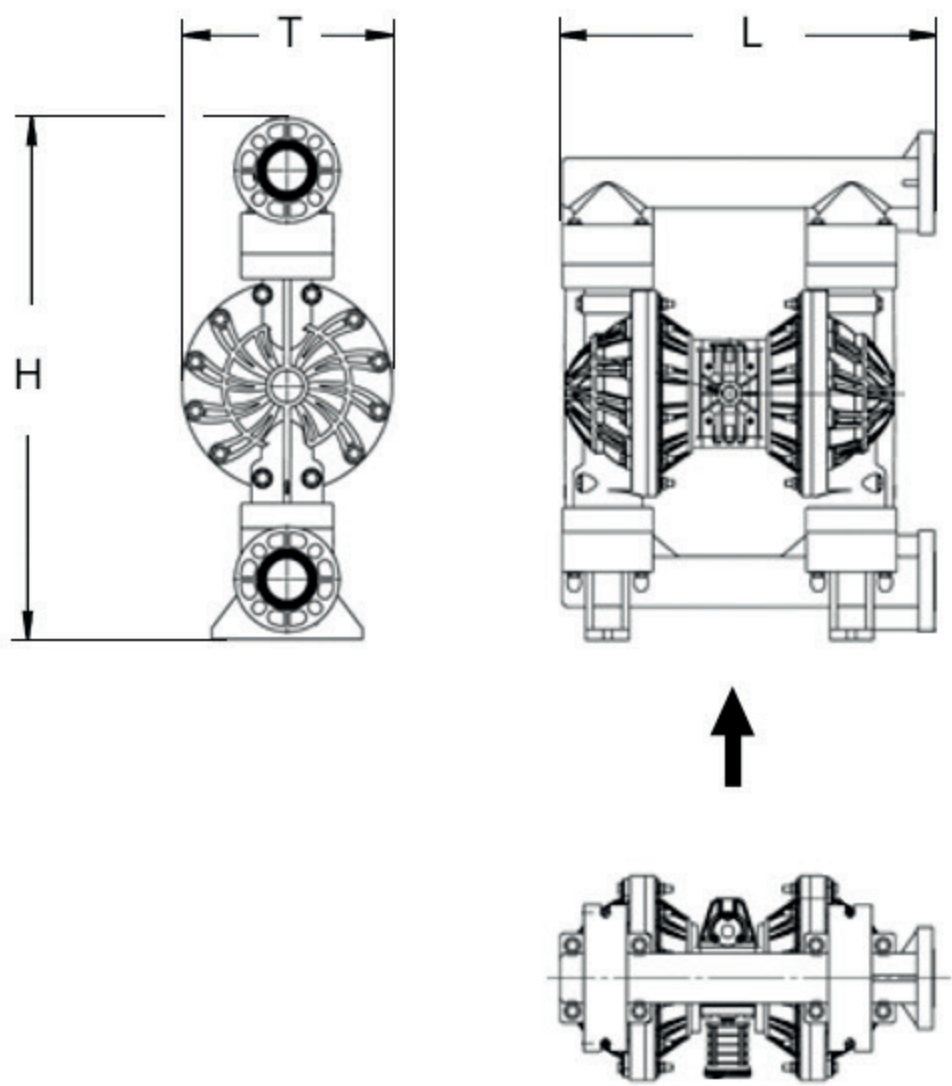


Metal



AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP15	(Plastic)	(Metal)	
max. Length (L)	600mm	Aluminium	530mm
max. Height (H)	805mm	Stainless steel	520mm
		Aluminium	733mm
max. Width (T)	326mm	Stainless steel	765mm
		Aluminium	326mm
		Stainless steel	326mm

ACCESSORIES



Compressed air supply unit

- Filter prssure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No.	Price (EUR)
90052197	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper F030A Active

Properties

- Volume: 2,6 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
1"	PP	PP	10	0/+60°C	37607861	▲
1"	PP	PVDF	10	0/+60°C	37607862	▲
1"	PP	PVC	10	0/+60°C	37607863	▲
1"	AISI316L	AISI316L	40	-40/200°C	37607864	▲

AIR OPERATED DIAPHRAGM PUMPS

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Plastic, with elastomere diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max. Pressure	Housing	Diaphragm Seals	Article-No.	Price (EUR)
713.1	G 1 1/4	10 bar	PVC-U	EPDM	30071038	▲
713.1	G 1 1/4	10 bar	PVC-U	FPM	30071039	▲
713.1	G 1 1/4	10 bar	PP	EPDM	30071040	▲
713.1	G 1 1/4	10 bar	PP	FPM	30071041	▲
713.1	G 1 1/4	10 bar	PVDF	EPDM	30071060	▲
713.1	G 1 1/4	10 bar	PVDF	FPM	30071061	▲

OPTIONS

Loose-type flanges Design acc. to DIN 2501, incl. O-Rings

PVC-design	Loose flange, PVC-U	DN20	▲
PP-/PVDF-design	Loose flange, PP with steel insert	DN20	▲

ACCESSORIES

Bracket	PP	90010913	▲
for wall mounting	1.4301	90010914	▲
	Steel (color treated)	90010915	▲

Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper (Stainless steel, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	Connection	max.Pressure	Material	Diaphragm	Article-No.	Price (EUR)
810.1-2,0/10	G 3/4	10 bar	1.4571	Butyl	37603723	▲
810.1-2,0/10	G 3/4	10 bar	1.4571	FPM	37603727	▲
810.1-2,0/10	G 3/4	10 bar	1.4571	PTFE	37606308	▲

ACCESSORIES



Filling- and pressure measuring device

(mounted on pulsation damper)

Design: Plastic	Manometer: 0-16 bar Measuring system: copper alloyed	●
Design: Stainless steel	Manometer: 0-16 bar, glycerine-damped Measuring system: copper alloyed Housing: 1.4301	▲



Filling pump FLP 2 for filling device

with manometer, max. 7 bar incl. 2m hose and coupling for air valve	90009396	▲
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AIR OPERATED DIAPHRAGM PUMPS



ÜBERBLICK

Mobile use
Easy handling
Self priming
Immersible
Dry suction
Safe to run dry
Suitable for solids
For viscous media
Low maintenance costs

TECHNICAL DATA

Type	Connection	max. flow rate	max. particle size	max. counterpressure	Air pressure min - max	Air supply connection	max. suction height		Weight
		[Litres/min.]	[mm]	[bar]			dry	wet	
AP05 Stainless Steel	3"	908	12,7	8,3	0,7 - 8,3	3/4" NPT(f)	4,3 - 5,6	8,8	107,0
AP30 Aluminium	3"	908	12,7	8,3	0,7 - 8,3	3/4" NPT(f)	4,3 - 5,6	8,8	70,3

BASIC DESIGNS

	Type	Pump-body	Diaphragm(s)	Valve seats	Valve balls	Valve seals	Article-No.	Price (EUR)	Wearing parts set	
									Article-No.	Price (EUR)
	AP30	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007033	☎	90052118	▲
	AP30	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007034	☎	90052119	▲
	AP30	Stainless Steel	Santoprene	Aluminium	Santoprene	PTFE	15007037	☎	90052122	▲
	AP30	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007038	☎	90052123	▲
FDA	AP30	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007035	☎	90052120	▲
	AP30	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007036	☎	90052121	▲
ATEX ¹⁾	AP30	Stainless Steel	Santoprene	Stainless Steel	Santoprene	PTFE	15007039	☎	90052118	▲
	AP30	Stainless Steel	Santoprene+PTFE	Stainless Steel	PTFE	PTFE	15007040	☎	90052119	▲
	AP30	Aluminium	Santoprene	Aluminium	Santoprene	PTFE	15007041	☎	90052122	▲
	AP30	Aluminium	Santoprene+PTFE	Aluminium	PTFE	PTFE	15007042	☎	90052123	▲

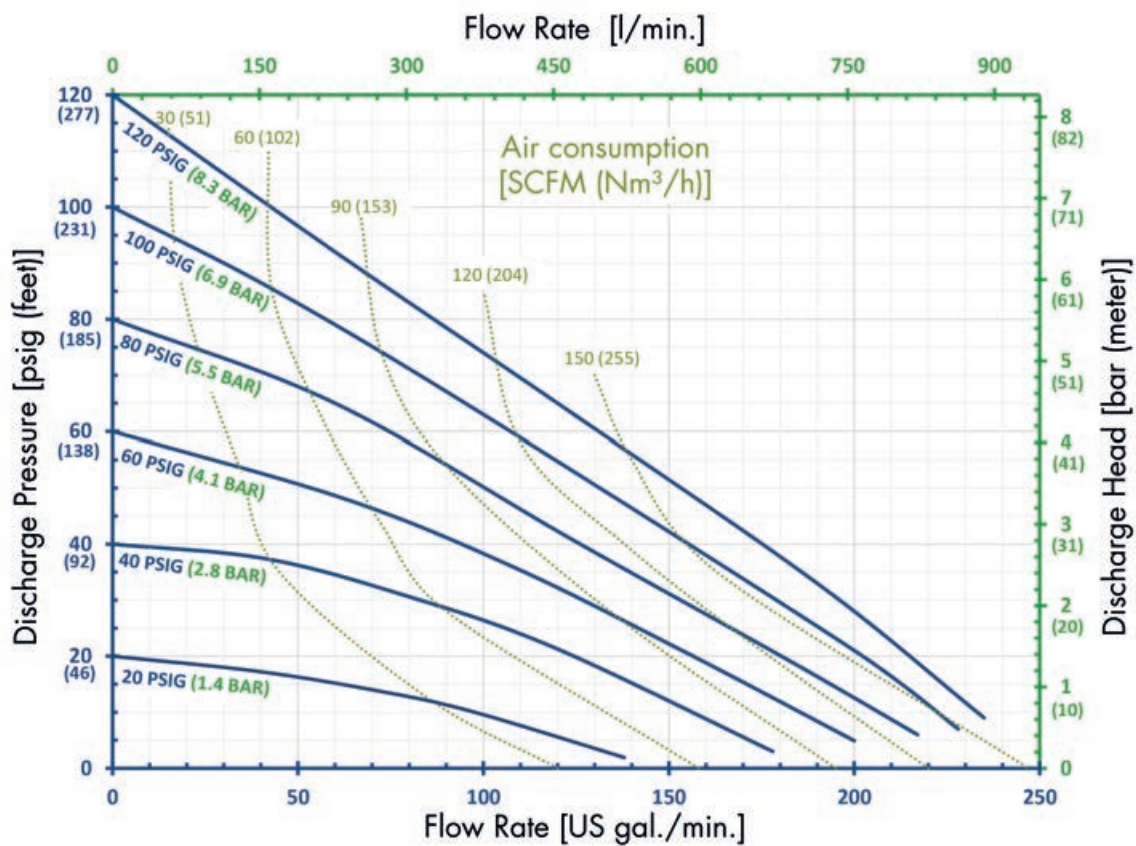
¹⁾ Zone: Ex II 2GD c IIB TX

CONNECTION Suction-/Pressure side: **3"**
 Max. flow capacity 908 l/min
 Max. admissible counterpressure up to 8,3 bar

airPUMP AP30

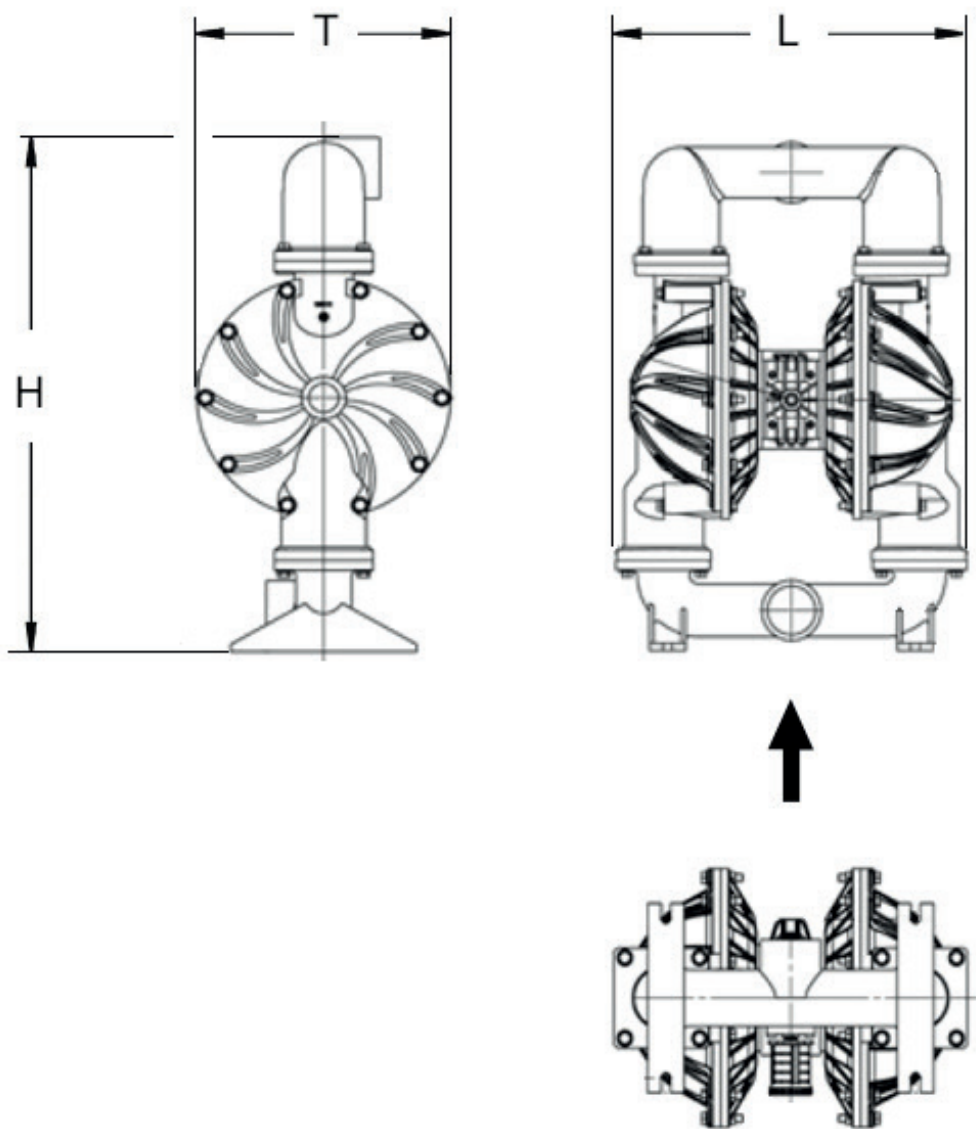
CHARACTERISTIC CURVES

Plastic



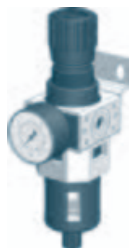
AIR OPERATED DIAPHRAGM PUMPS

DIMENSIONS



AP15	(Metal)	
max. Length (L)	Aluminium	617mm
	Stainless Steel	617mm
max. Height (H)	Aluminium	884mm
	Stainless Steel	924mm
max. Width (T)	Aluminium	416mm
	Stainless Steel	416mm

ACCESSORIES



Compressed air supply unit

- Filter pressure controller
- Shut-off valve
- Fittings
- incl. 5m pneumatic hose
- incl. Bracket

Article-No.	Price (EUR)
90052197	▲

FITTINGS FOR THE PRESSURE SIDE



Diaphragm pulsation damper F060A Active

Properties

- Volume: 5,6 Litre
- Air supply pressure: 10 bar
- Diaphragm made of PTFE
- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Connection	Housing	Valve	max. Pressure	Temperature	Article-No.	Price (EUR)
1"	PP	PP	10	0/+60°C	37607865	▲
1"	PP	PVDF	10	0/+60°C	37607866	▲
1"	PP	PVC	10	0/+60°C	37607867	▲
1"	AISI316L	AISI316L	40	-40/200°C	37607868	▲



Diaphragm pulsation damper (Plastic, with elastomere diaphragm, max. 10 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	715.1	Article-No.	Price (EUR)
		Ⓛ	Ⓛ



Diaphragm pulsation damper (metal, with elastomere diaphragm, max. 16 bar)

Properties

- Any mounting position
- Easy installation
- Long service life
- Easy handling
- High-quality materials
- Low maintenance

Type	715.1	Article-No.	Price (EUR)
		Ⓛ	Ⓛ

