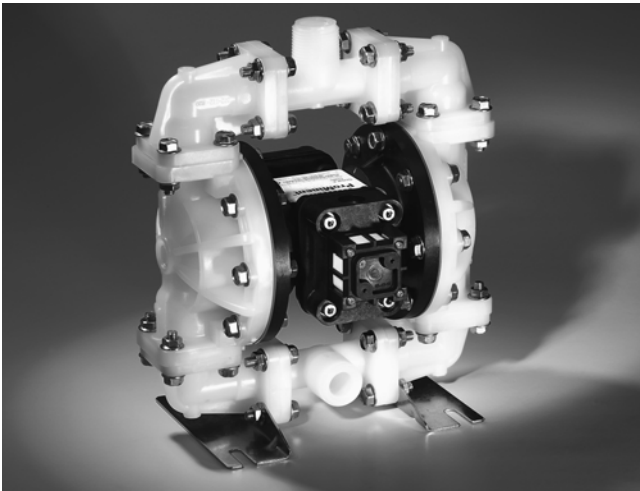


ProMInent® Duodos

COMPRESSED AIR DRIVEN DUAL-DIAPHRAGM PUMPS FOR LIQUID MEDIA



Air-driven diaphragm pumps for liquid media

ProMInent® Duodos pumps are air-driven dual-diaphragm pumps for liquid media. As they are air driven they require no electric components. The feed rate can be changed by changing the pressure in the air supply. The air controller is designed for oil-free operation. The maintenance-free air control valve ensures trouble-

free operation and guarantees restarting. There are no pressure relief valves required, the pump simply stops if the backpressure is too high and start automatically once the pressure has fallen. ProMInent® Duodos pumps are self-priming and are ideal for metering viscous and highly sensitive media.

ProMInent® Duodos pumps can pump up to approx. 10 m³/h or a feed rate of 70 m. As the feed rate depends heavily on back pressure the feed characteristic must be monitored carefully. Check the material compatibility when choosing the pump. You should also take into account density, viscosity, suspended solids

and temperature of the feed media.

The following material options are available:

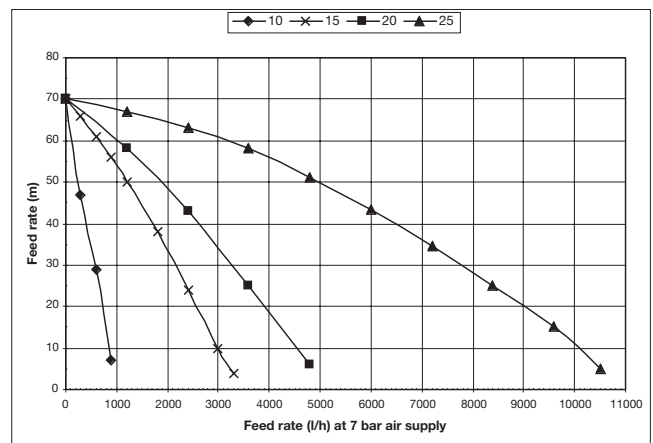
- PP pump bodies with Santoprene diaphragms and valves
- PVDF pump bodies with PTFE diaphragms and valves

Duodos PP:

Type	Feed rate l/h	Air consumption m ³ /h	Order no.
Duodos 10 PP	0 – 900	0.5 – 11	1010793
Duodos 15 PP	0 – 3120	3.5 – 27	1010794
Duodos 20 PP	0 – 5220	7 – 34	1010795
Duodos 25 PP	0 – 10200	8.5 – 77	1010796

Duodos PVDF:

Type	Feed rate l/h	Air consumption m ³ /h	Order no.
Duodos 10 PVDF	0 – 900	0.5 – 11	1010797
Duodos 15 PVDF	0 – 3120	3.5 – 27	1010798
Duodos 20 PVDF	0 – 5220	7 – 34	1010799
Duodos 25 PVDF	0 – 10200	8.5 – 77	1010800



Spare part kits:

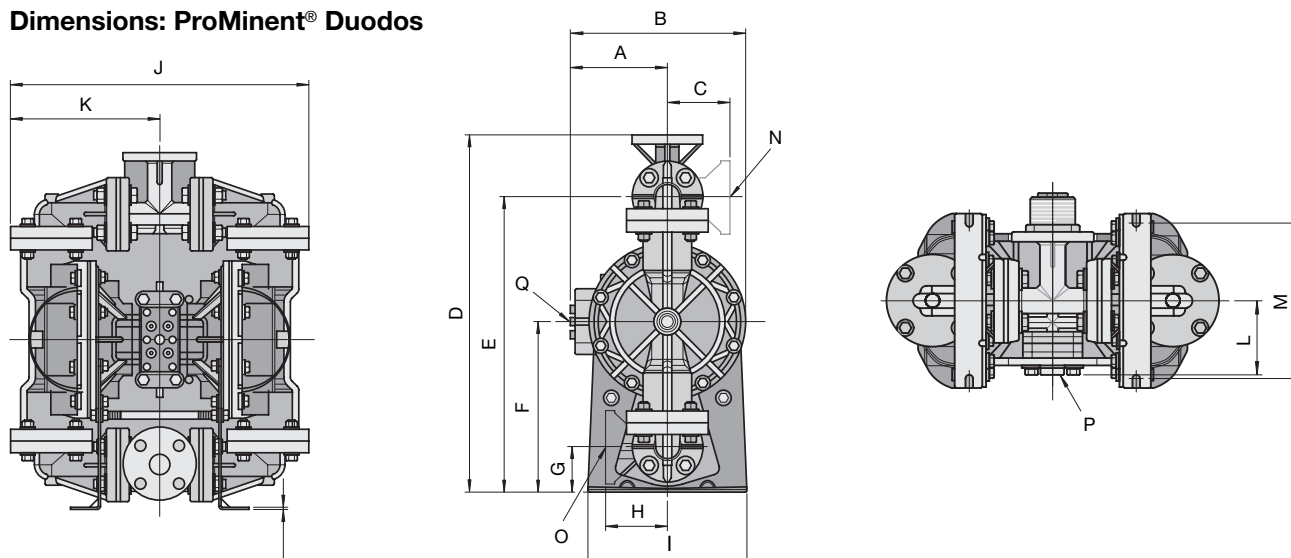
Type	Order no.
Spare part kits, air drive for Duodos 10	1010810
Spare part kits, air drive for Duodos 15/20	1010811
Spare part kits, air drive for Duodos 25	1010813

Type	Order no.
Spare part kits, liquid end for Duodos 10 PP	1010801
Spare part kits, liquid end for Duodos 15 PP	1010802
Spare part kits, liquid end for Duodos 20 PP	1010803
Spare part kits, liquid end for Duodos 25 PP	1010804
Spare part kits liquid end for Duodos 10 PVDF	1010806
Spare part kits liquid end for Duodos 15 PVDF	1010807
Spare part kits liquid end for Duodos 20 PVDF	1010808
Spare part kits liquid end for Duodos 25 PVDF	1010809

Technical data:

Type	Min. Temperature (°C)	Max. Temperature (°C)	Max. viscosity mPas	Suspended solids max. Ø	Suction capacity dry/wet
Duodos 10 PP	5	66	2160	1 mm	1.7 m / 7.7 m
Duodos 10 PVDF	- 13	93	2160	1 mm	1.7 m / 7.7 m
Duodos 15 PP	5	65	2160	3 mm	3.6 m / 8.2 m
Duodos 15 PVDF	- 13	93	2160	3 mm	2.3 m / 8.2 m
Duodos 20 PP	5	65	2160	4 mm	1.8 m / 8.2 m
Duodos 20 PVDF	- 13	93	2160	4 mm	2.1 m / 8.2 m
Duodos 25 PP	5	65	2160	6 mm	5.1 m / 8.2 m
Duodos 25 PVDF	- 13	93	2160	6 mm	5.4 m / 8.2 m

Dimensions: ProMinent® Duodos



Duodos	10	15	20	25
A	79	103	103	143
B	140	179	179	260
C	32	44	60	92
D	198	287	339	530
E	167	243	279	438
F	87	140	163	252
G	19	35	46	67
H	32	44	60	92
I	78	143	143	232
J	178	258	300	446
K	89	129	150	223
L	33	92	114	206
M	66	76	76	99
N – Discharge connector	½" NPT, external	1", external	1½", external	1" ANSI flange*
O – Suction connector	½" NPT, external	1", external	1½", external	1" ANSI flange*
P (air intake)	¼" NPT, internal	¼" NPT, internal	¼" NPT, internal	½" NPT, internal
Weight PP (kg)	2	8	9	24
Weight PVDF (kg)	2.5	9	9.5	29

*1" /125 , ANSI flange with 4 x 16 mm fastening holes in a 78 mm pitch circle.



We reserve the right to make technical changes.
Printed in Germany / AL DUO 001 11/02 GB

Address and delivery information from the manufacturer:

ProMinent Dosiertechnik GmbH
Im Schuhmachergewann 5-11
69123 Heidelberg
Postfach 10 17 60
69007 Heidelberg · Germany
Telephone 06221 842-0 · Fax 842-419
info@prominent.de · www.prominent.de

ProMinent®