



AIR-OPERATED DIAPHRAGM PUMPS TYPE FDM

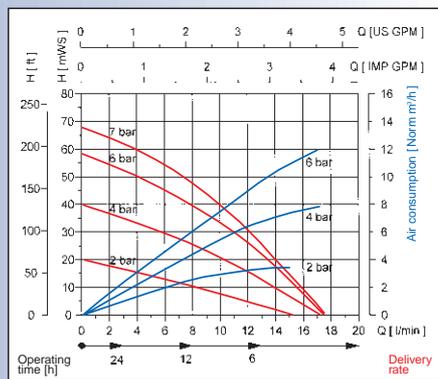
FLUX AIR-OPERATED DIAPHRAGM PUMPS TYPE FDM – GENUINE ALLROUNDERS

FLUX air-operated diaphragm pumps are genuine allrounders for the safe reliable and careful (no shearing) transfer of thin to high viscosity products, even with solids in suspension, as well as abrasive, high flammability or aerated liquids. Each pump model is available in different versions because of a great variety of possible material combinations of the wetted component parts.

FLUX is offering a complete range of air-operated diaphragm pump models with 1/4", 1/2", 1", 1 1/2", 2" and 3" connections for delivery rates from 17 up to 1040 l/min.

Special features:

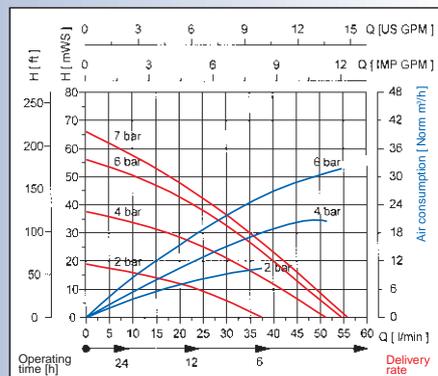
- self-priming, even from a dry start
- variable delivery rates by simply adjusting air pressure to the pump
- no need of by-pass control
- no leakage due to absence of a shaft seal
- pumps are submersible
- unbalanced air valve design eliminates stalling
- ideal for use in hazardous areas
- no overloading; pump will stop in case of closed outlet
- suitable for dry operation



Values ±10% with water at 20°C.

TYPE FDM 06 TECHNICAL DATA

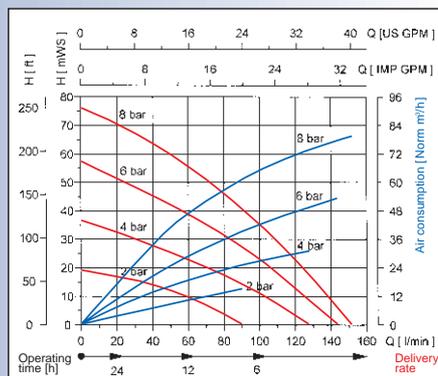
Delivery rate max.	17 l/min
Operating pressure max.	7 bar
Max. size of solids	0,8 mm
Material pump	PP, AC
Material diaphragm	Santoprene, PTFE
Suction side	3/8" NPT female
Discharge side	1/4" NPT female
Air connection	1/4" NPT female
Weight	1,7 kg (PP), 1,9 kg (AC)



Values ±10% with water at 20°C.

TYPE FDM 12 TECHNICAL DATA

Delivery rate max.	55 l/min
Operating pressure max.	7 bar
Max. size of solids	2,4 mm
Material pump	PP, PVDF, AC, AL, S
Material diaphragm	CR, PTFE, NBR
Suction side	1/2" NPT female
Discharge side	1/2" NPT female
Air connection	1/4" NPT female
Weight	3,4 kg (PP) – 6,6 kg (S)



Values ±10% with water at 20°C.

TYPE FDM 25 TECHNICAL DATA

Delivery rate max.	150 l/min
Operating pressure max.	8 bar
Max. size of solids	3 mm
Material pump	PP, PVDF, AL, S
Material diaphragm	CR, PTFE, NBR
Suction side	Flange DN 25; G 1" female
Discharge side	Flange DN 25; G 1" female
Air connection	1/4" NPT female
Weight	8,4 kg (AL) – 15,3 kg (S)

PP = Polypropylene, PVDF = Polyvinylidenfluoride, AC = Acetal conductive, AL = Aluminium, S = stainless steel, GG = gray cast iron

FLUX AIR-OPERATED DIAPHRAGM PUMPS TYPE FDM – WHICH MATERIAL GOES BEST WITH WHICH LIQUID

Polypropylene (PP) up to 80 °C
suitable for both, chemically aggressive and neutral liquids, together with low flammability liquids

Polyvinylidenfluoride (PVDF) up to 100 °C
suitable for both, chemically aggressive and neutral liquids, together with low flammability liquids

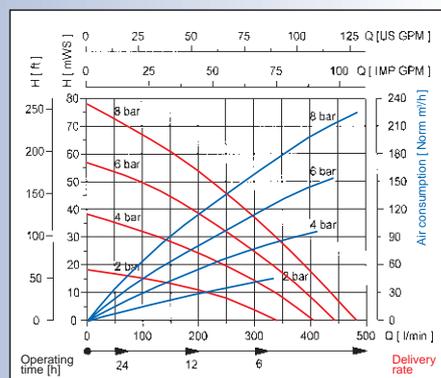
Acetal (AC) up to 65 °C
Polyoxymethylene, electrically conductive, suitable for solvents

Aluminium alloy AlMg5 (AL) up to 100 °C
suitable for neutral and/or flammable liquids

Stainless steel 316 Ti (S) up to 100 °C
suitable for high flammability liquids as well as for neutral and non-flammable liquids

Gray Cast Iron (GG) up to 100 °C
suitable for solvents

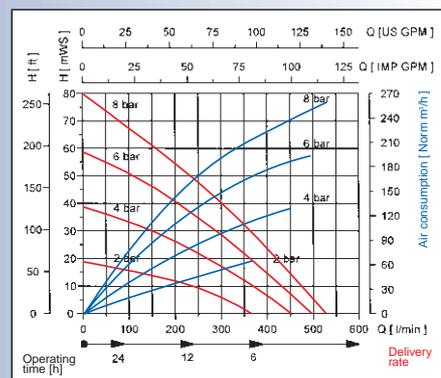
Please ask for our detailed **Resistance Chart!**



Values ±10% with water at 20°C.

TYPE FDM 40 TECHNICAL DATA

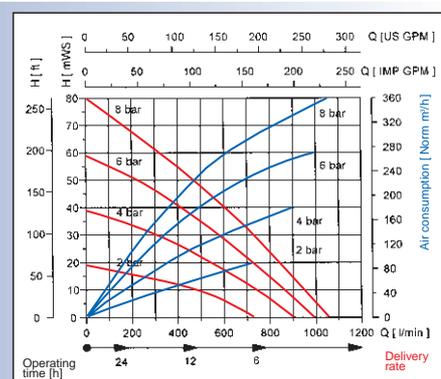
Delivery rate max.	480 l/min
Operating pressure max.	8 bar
Max. size of solids	6,4 mm
Material pump	PP, PVDF, AL, S
Material diaphragm	CR, PTFE, NBR
Suction side	Flange DN 40; G 1 1/2" female
Discharge side	Flange DN 40; G 1 1/2" female
Air connection	1/2" NPT female
Weight	20,0 kg (AL) – 41,6 kg (S)



Values ±10% with water at 20°C.

TYPE FDM 50 TECHNICAL DATA

Delivery rate max.	plastic 525 l/m, metal 730 l/m
Operating pressure max.	8 bar
Max. size of solids	6,4 mm
Material pump	PP, PVDF, AL, S, GG
Material diaphragm	CR, PTFE, Geolast
Suction side	Flange DN 50; G 2" female
Discharge side	Flange DN 40; G 2" female
Air connection	plastic 1/2", metal 3/4" NPT female
Weight	24,0 kg (PP) – 60,0 kg (GG)



Values ±10% with water at 20°C.

TYPE FDM 80 TECHNICAL DATA

Delivery rate max.	1040 l/min
Operating pressure max.	8 bar
Max. size of solids	9,5 mm
Material pump	AL, S, GG
Material diaphragm	PTFE, Geolast
Suction side	G 3" female
Discharge side	G 3" female
Air connection	3/4" NPT female
Weight	50,0 kg (AL) – 88,0 kg (S)

Special pump models as well as a comprehensive range of accessories on request.



INNOVATORS IN FLOW TECHNOLOGY



WORLD OF PUMPS – PUMPS FOR THE WORLD

All around the globe, FLUX is synonymous with top standards in pump technology. Whether it is barrel pumps, vertical centrifugal immersion pumps, air-operated diaphragm pumps, liquid meters, mixers or top class accessories – FLUX with its complete and comprehensive range is always the one to address to. Benefit from our competence. We look forward to hearing from you!



FLUX-GERÄTE GMBH

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