

Enhanced Leading Technology

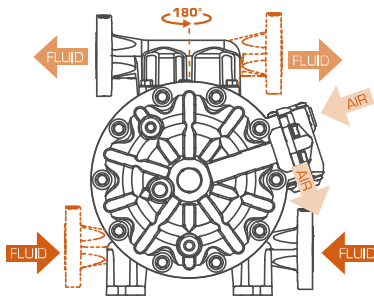
DP200 PLASTIC PUMPS

Air operated double diaphragm pumps for dosing, spraying, transferring, evacuating and distributing a wide variety of fluids.

Designed for maximum performance and efficiency in high flow applications.

Plastic pumps are recommended for some submersible applications and aggressive atmospheres.

Fully groundable ATEX certified pumps are available for use in potentially explosive atmospheres (Ex II2 GD IIB/IC 95 °C).



Orientable ports, increased installation versatility.



RECOMMENDED MODELS

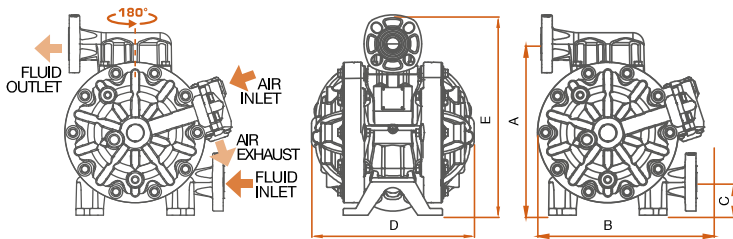
MODEL	PUMP BODY	DIAPHRAGMS	BALLS	SEATS	OTHER WETTED MATERIALS	RECOMMENDED APPLICATIONS
DP200PPSEMTMFAS	Polypropylene	Santoprene®	PTFE	Santoprene®	EPDM	Water based fluids, coatings and adhesives, diluted mild alkalis and acids, alcohols.
DP200PPSVHTHFAS	Polypropylene	TPE	PTFE	TPE	FKM	Water and some aqueous chemicals. General application pump for lubricants.
DP200PPYPTTFAS	Polypropylene	PTFE	PTFE	Polypropylene	Hastelloy® C	Wide compatibility, including acids and alkalis for water treatment and CIPs chlorinated cleaning agents for home & industrial cleaning processes.
DP200PPSTPTTFAS	Polypropylene	PTFE	PTFE	Polypropylene	-	Wide chemical compatibility.
DP200PKYTWTTFAS	Conductive PVDF	PTFE	PTFE	PVDF	Hastelloy® C	ATEX pump. Strong acids (some above room temperature) and alkalis. Not recommended for some strong alkalis or concentrated nitric acid.
DP200PDSTCTTFAS	Conductive Acetal	PTFE	PTFE	Acetal	-	ATEX pump. Solvents (ketones, acetates, aldehydes, aromatic and chlorinated hydrocarbons, toluene) and solvent based inks, paints and varnishes.

DP200 PLASTIC PUMPS

TECHNICAL DATA

Pressure ratio	1:1
Maximum free delivery (1)	200 l/min (53 gal/min)
Delivery per stroke approx. (1)	0,5 litres (0.13 US gal)
Delivery per cycle (2 x strokes) (1)	1 litre (0.26 US gal)
Air pressure operating range	1,5 to 8 bar (22 to 115 psi)
Solids in suspension max. size	6 mm (1/4")
Maximum dry suction lift (1)	5 m (16')
Maximum wet suction lift (1)	8 m (26')
Weight	10,5 kg (23.15 lb)
Fluid inlet connection	1" DIN PN-10 DN25 flange and ANSI B16.5 1" 150 lb flange
Fluid outlet connection	1" DIN PN-10 DN25 flange and ANSI B16.5 1" 150 lb flange
Air inlet connection	3/8" NPSM (F)
Wetted part materials	See recommended models

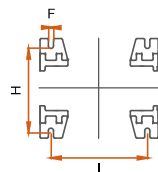
(1) Data measured with water, air inlet pressure 7 bar (100 psi), 20 °C (68 °F).



Dimensions (mm)

A	B	C	D
311	320	60	295

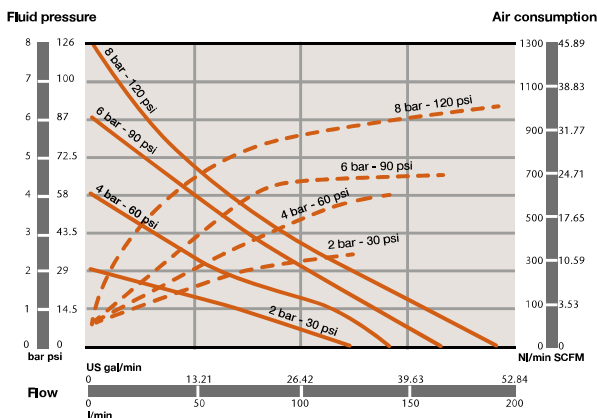
E	F*	H	I
364	9	154	175



* Diameter of the holes for fasteners in each of the four pump feet.

PERFORMANCE CURVES

Tested at room temperature, with water and flooded pump with 800 mm (31 1/2") height of water above the pump inlet.



— Outlet pressure
- - - Air consumption

(*) 2 bar test with a pump fitted with PTFE (Teflon®) diaphragms.

DP200 PLASTIC PUMP CODING SYSTEM

1	2	3	4	5	6	7	8	9	10
DP200	P	P	S	E	M	T	M	F	AS

1 PUMP SIZE

DP200

2 AIR MOTOR: DIRECTIONAL VALVE & AIR CHAMBER COVERS

P = Polypropylene

3 WETTED PUMP BODY

P = Polypropylene

B = Conductive Polypropylene (ATEX pump)

D = Conductive Acetal (ATEX pump)

W = PVDF

K = Conductive PVDF (ATEX pump)

4 PUSH ROD

S = Stainless Steel AISI 420

Y = Hastelloy® C

5 SEALS

V = FKM (Viton®)

E = EPDM

T = PTFE (Teflon®)

6 CHECK VALVE SEATS

P = Polypropylene

C = Acetal

W = PVDF

M = Santoprene®

H = TPE (Hytrel®)

7 CHECK VALVE BALLS

T = PTFE (Teflon®)

C = Acetal

S = Stainless Steel AISI 316

8 DIAPHRAGMS

T = PTFE (Teflon®)

M = Santoprene®

H = TPE (Hytrel®)

9 FLUID CONNECTION THREADS

F = Flange

10 OPTIONS

AS = Standard pump

BS = Remote air exhaust *

DS = Stroke sensor

FS = Extra muffler

* Included in all DP200 pumps

