

DP200 - PERFORMER SERIES

TECHNICAL DATA

PRESSURE RATIO	1:1
MAXIMUM FREE DELIVERY	200 l/min (53 gal/min)
AIR PRESSURE OPERATING RANGE	1,5 to 8 bar (22 to 120 psi)
SOLIDS IN SUSPENSION MAXIMUM SIZE	6 mm (1/4")
MAXIMUM DRY SUCTION LIFT	5 m (16')
MAXIMUM WET SUCTION LIFT	8 m (26')
FLUID INLET AND OUTLET CONNECTIONS	1" BSPP (F)
AIR INLET CONNECTION	3/8" NPSM (F)
AIR VALVE	Frictionless Pivot Valve
WEIGHT	11,5 kg (23.35 lb)
OTHER WETTED PARTS	See available materials

METAL

1:1
200 l/min (53 gal/min)
1,5 to 8 bar (22 to 120 psi)
6 mm (1/4")
5 m (16')
8 m (26')
1" BSPP (F)
3/8" NPSM (F)
Frictionless Pivot Valve
11,5 kg (23.35 lb)
See available materials

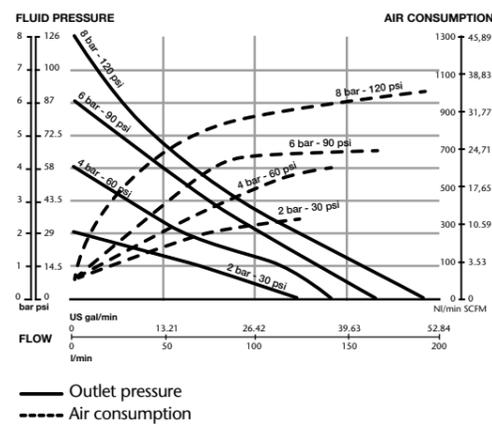
Very robust design for the toughest applications.

PLASTIC

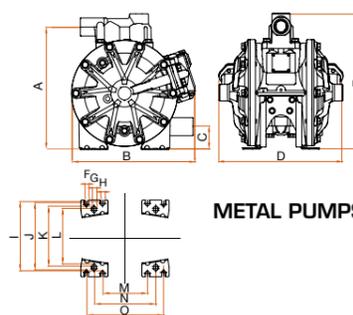
1:1
200 l/min (53 gal/min)
1,5 to 8 bar (22 to 120 psi)
6 mm (1/4")
5 m (16')
8 m (26')
1" Flange
3/8" NPSM (F)
Frictionless Pivot Valve
10,5 kg (23.15 lb)
See available materials

Recommended for some submersible applications and aggressive atmospheres.

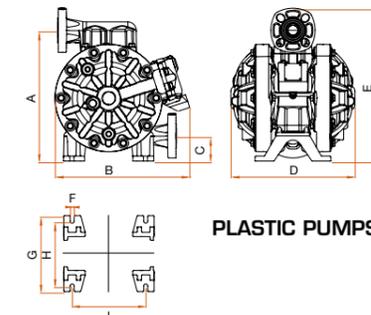
PERFORMANCE CURVES



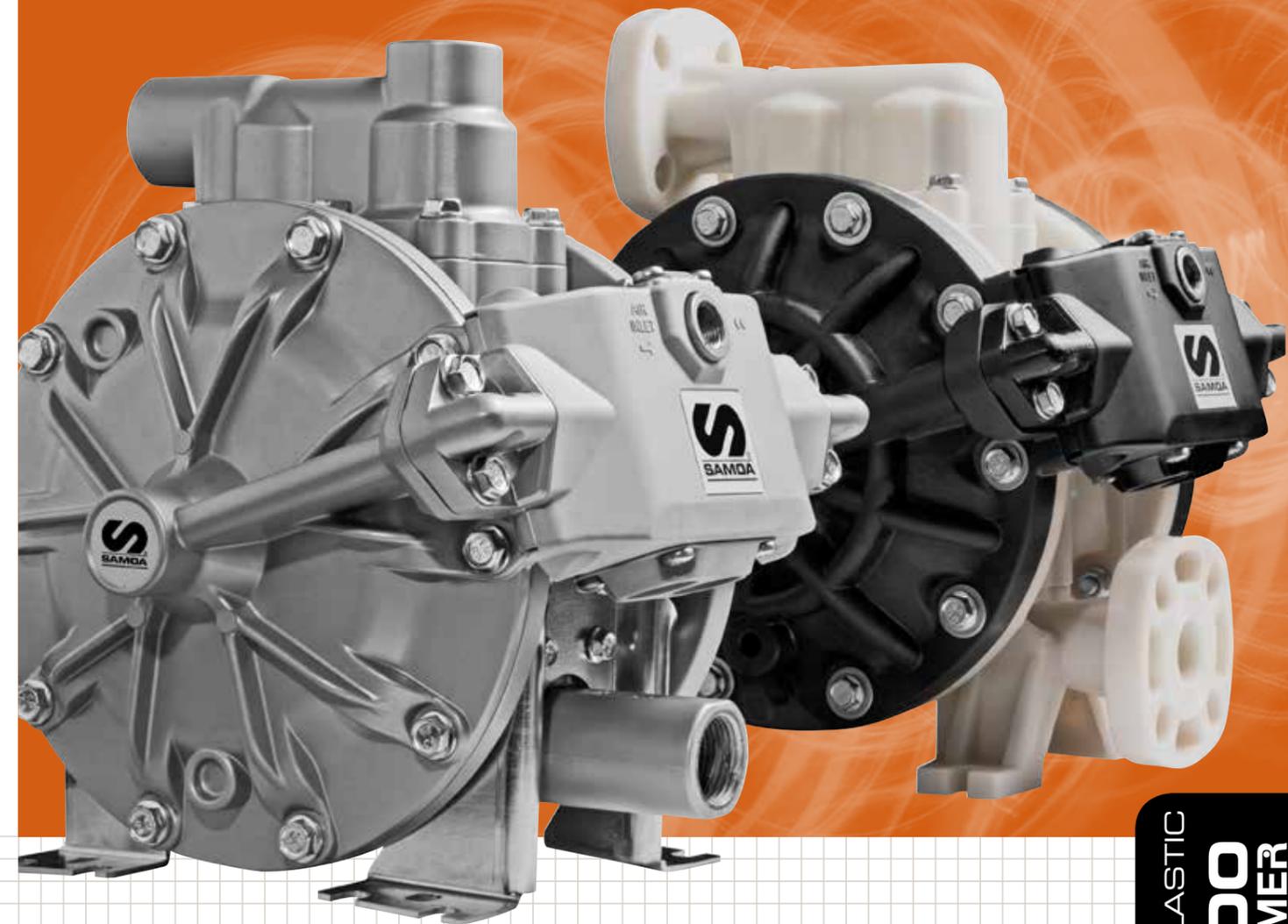
DIMENSIONS mm (inches)



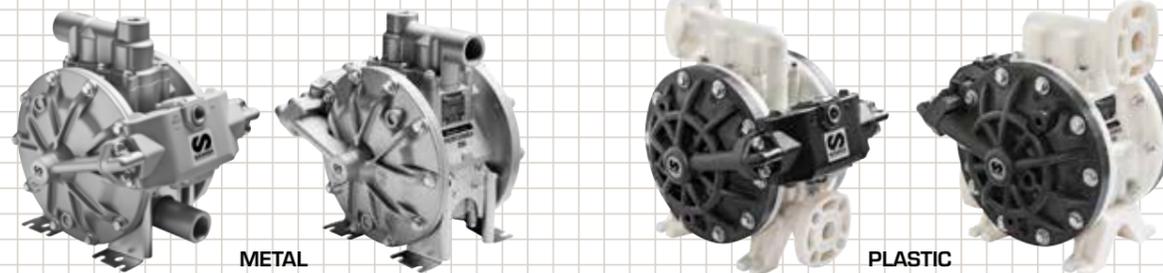
A	B	C	D	E	F	G/H
278 (11")	280 (11")	52 (2")	281 (11")	308 (12 2/16")	9 (11/32")	10 (13/32")
I	J	K	L	M	N	O
158 (6 1/4")	154 (6 1/16")	137 (5 13/32")	127 (5")	102 (4")	140 (5 1/2")	175 (6 7/8")



A	B	C	D	E
311 (12 1/4")	320 (12 19/32")	60 (2 1/3")	295 (11" 2/3)	364 (14 1/3")
F	G	H	I	
9 (11/32")	180 (7 3/32")	154 (6 1/16")	175 (6 7/8")	



1" Air Operated Diaphragm Pumps



METAL

PLASTIC

METAL & PLASTIC
DP200
 PERFORMER



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DP200 - PERFORMER SERIES

1" Air operated diaphragm pump.

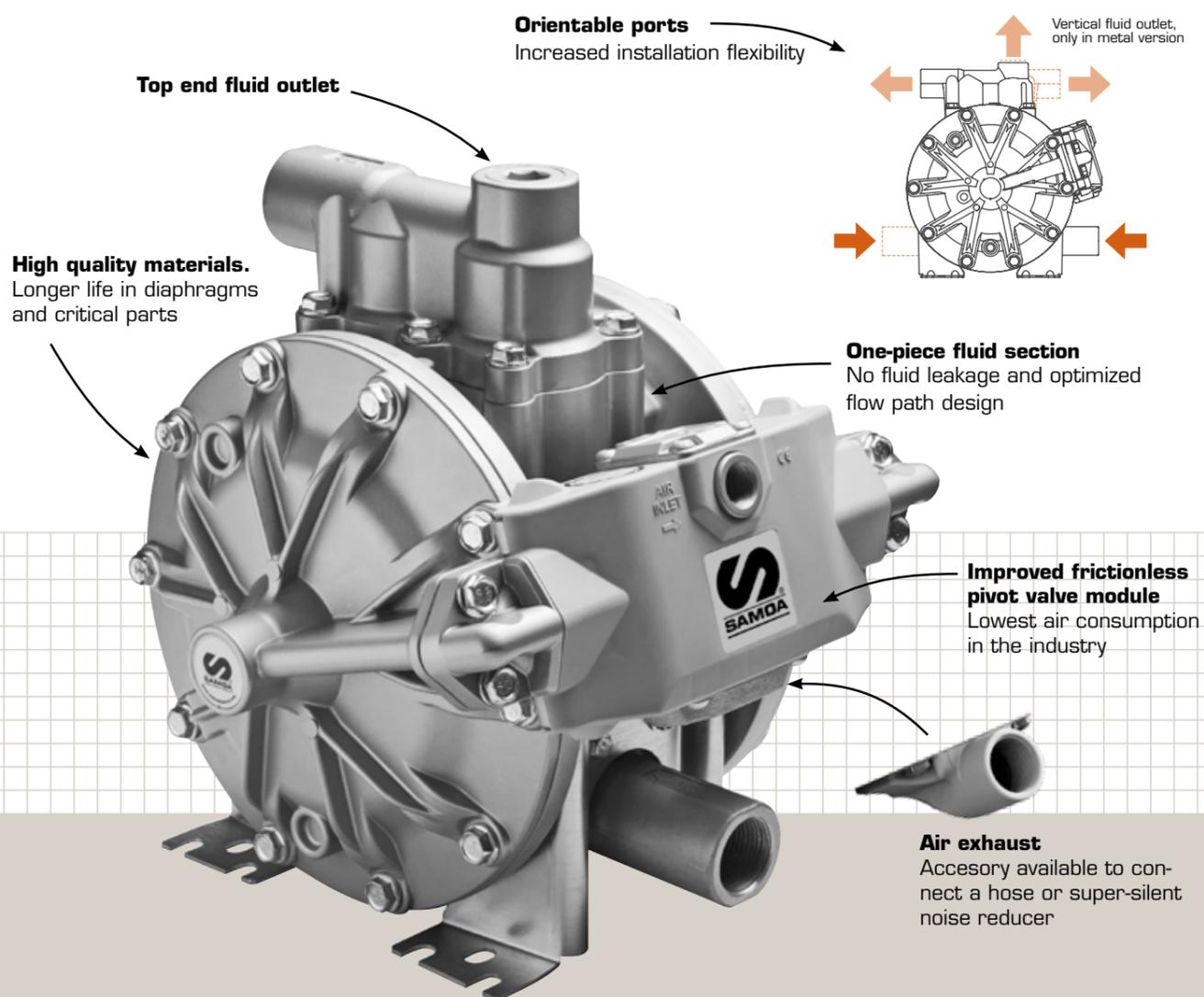
200 l/min
53 gal/min

The new SAMOA Directflo® 1" pump, DP200 Performer Series, is developed for maximum performance and efficiency exceeding market expectations.

PERFORMER SERIES SET NEW STANDARDS IN DIRECTFLO® TECHNOLOGY

- ▶ New check valve design.
- ▶ Improved air motor.
- ▶ Top and lower fluid manifolds.
- ▶ Orientable ports.
- ▶ One-piece type diaphragms.

- Higher suction capacity.
- Reduced air consumption.
- Shorter strokes.
- Quiet operation.
- Extended diaphragms life.
- Better resistance to abrasion.
- Less stress in parts.
- Minimum pulsation and vibration.



Exclusive Directflo® pump technology.

DP200 - PERFORMER SERIES

1" Air operated diaphragm pump.

THE NEW PERFORMER SERIES MAKE THE DIFFERENCE THROUGH:

HIGHER EFFICIENCY. Maximum fluid flow with minimum air consumption.

INCREASED RELIABILITY. No stall, non icing, reliable start up and longer air valve and diaphragms duration.

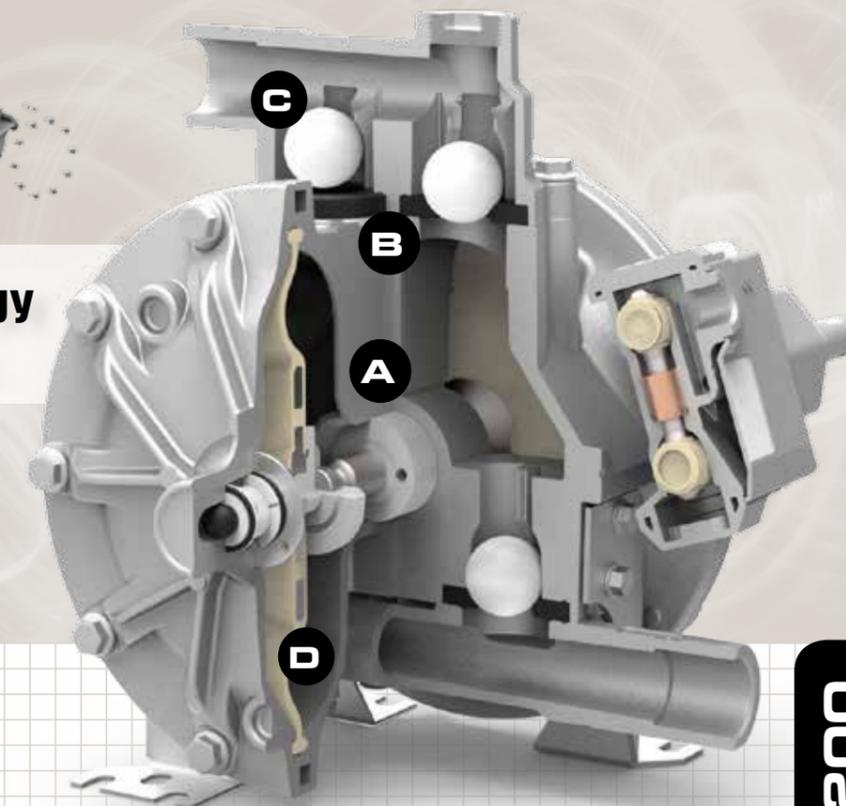
MAXIMUM VERSATILITY. Orientable inlet and outlet ports offer multiple mounting options and large material selection offer maximum fluid compatibility.

EASY SERVICING. Exclusive Directflo® central flow design allows fast servicing of diaphragms and air motor without dismantling it from the fluid line.

MAXIMUM PERFORMANCE



Directflo® technology better by design.



AVAILABLE MATERIALS

SAMOA offers a wide range of material options for maximum chemical compatibility and to stand abrasion, temperature and stress material caused by demanding conditions.

A- PUMP BODY

Metal pumps:
Aluminum
Stainless steel

Plastic pumps:
Polypropylene (white)
Conductive Polypropylene (black)
Conductive Acetal (black)
PVDF (dark grey)
Conductive PVDF (black)

B- CHECK VALVE SEATS:

Soft seats (without o-rings):
Buna N
TPE (Hytrel®)
Santoprene®

Hard seats (with o-rings):
Polypropylene
Acetal
PVDF
Aluminum
Stainless steel (AISI 316)

C- CHECK VALVE BALLS:

Hard balls:
Acetal
PTFE
Stainless steel (AISI 316)

Soft balls:
Buna N
TPE (Hytrel®)
Santoprene®

D- ONE-PIECE DIAPHRAGMS

Buna N (Bonded)
TPE (Hytrel®)
Santoprene®
PTFE (Bonded)

DP200 PERFORMER

