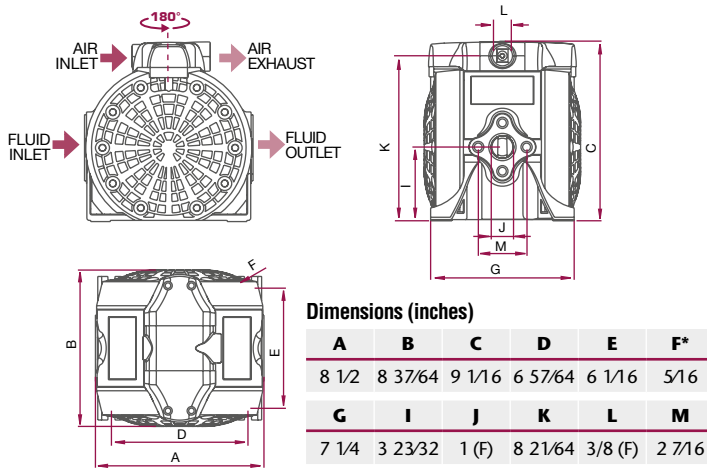


DF100 PLASTIC PUMPS

TECHNICAL DATA

Pressure ratio	1:1
Maximum free delivery (1)	28 US gal/min (100 l/min)
Delivery per stroke approx. (1)	0.07 US gal (0,25 liters)
Delivery per cycle (2 x strokes) (1)	0.13 US gal (0,5 liters)
Air pressure operating range	22 to 115 psi (1,5 to 8 bar)
Solids in suspension max. size	3/16" (4 mm)
Maximum dry suction lift (1)	15' (4,5 m)
Maximum wet suction lift (1)	23' (7 m)
Weight	11.24 lb (5,1 kg)
Fluid inlet connection	1" NPT/BSP (F)
Fluid outlet connection	1" NPT/BSP (F)
Air inlet connection	3/8" NPSM (F)
Wetted part materials	See recommended models

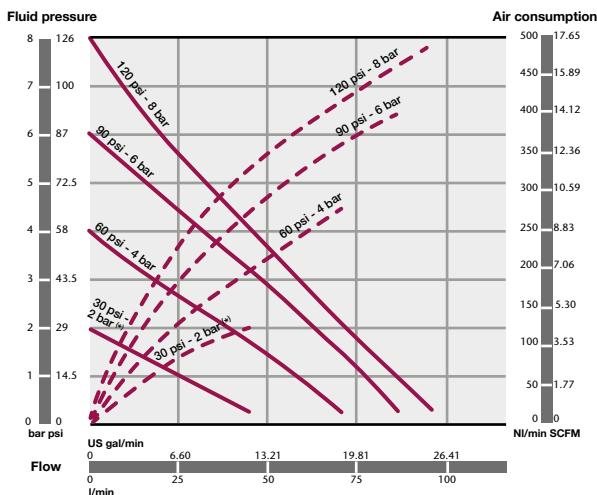
(1) Data measured with water, air inlet pressure 100 psi (7 bar), 68 °F (20 °C).



* 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 31 1/2" (800 mm) height of water above the pump inlet.



(*) 30 psi test with a pump fitted with PTFE (Teflon®) diaphragms.

— Outlet pressure - - - - Air consumption

DF100 PLASTIC PUMP CODING SYSTEM

1	2	3	4	5	6	7	8	9	10
DF100	P	P	S	E	S	T	M	B	AS

1 PUMP SIZE
DF100

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

- S = Stainless Steel AISI 316
- W = PVDF

7 CHECK VALVE BALLS

- T = PTFE (Teflon®)
- C = Acetal
- S = Stainless Steel AISI 316

8 DIAPHRAGMS

- T = PTFE (Teflon®)
- M = Santoprene®
- H = TPE (Hytrell®)

9 FLUID CONNECTION THREADS

- B = BSP
- N = NPT

10 OPTIONS

- AS = Standard pump
- BS = Remote air exhaust
- ES = Externally driven
- FS = Extra muffler
- GS = NPN inductive external pump control sensor.
- IS = ATEX inductive external pump control sensor.
- JS = PNP inductive external pump control sensor
- US = Special UV ink pump

