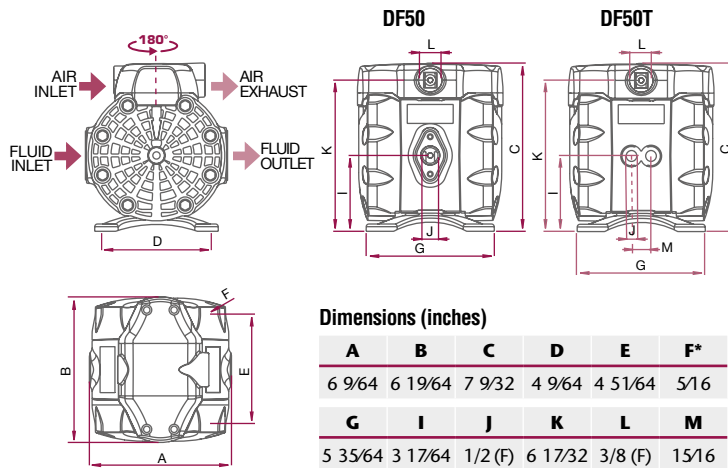


DF50 & DF50T PLASTIC PUMPS

TECHNICAL DATA

| | |
|--------------------------------------|---|
| Pressure ratio | 1:1 |
| Maximum free delivery (1) | 14 US gal/min (50 l/min) |
| Delivery per stroke approx. (1) | 0.026 US gal (0,1 liters) |
| Delivery per cycle (2 x strokes) (1) | 0.05 US gal (0,2 liters) |
| Air pressure operating range | 22 to 115 psi (1,5 to 8 bar) |
| Solids in suspension max. size | 1/8" (3 mm) |
| Maximum dry suction lift (1) | 20' (6 m) |
| Maximum wet suction lift (1) | 26' (8 m) |
| Weight | 4.85 lb (2,2 kg) |
| Fluid inlet connection | 1/2" NPT/BSP (F) - 2 x 3/8" NPT/BSP DF50T |
| Fluid outlet connection | 1/2" NPT/BSP (F) |
| Air inlet connection | 3/8" NPSM (F) |
| Wetted part materials | See recommended models |

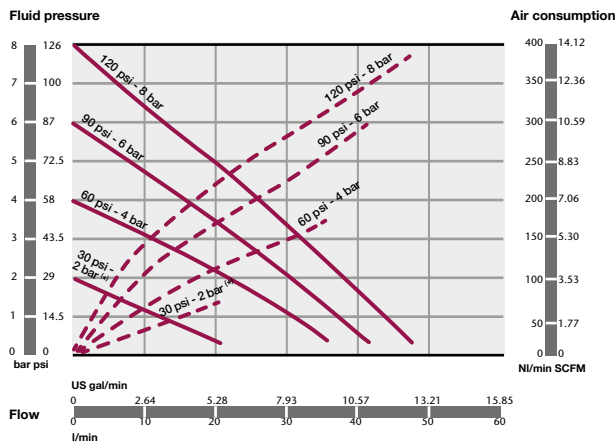
(1) Data measured with water, air inlet pressure 100 psi (7 bar), 68 °F (20 °C).



* 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.

DF50 & DF50T PLASTIC PUMP CODING SYSTEM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|---|---|---|---|---|---|---|---|----|
| DF50 | P | P | S | E | S | T | M | B | AS |

1 PUMP SIZE

DF50
DF50T (Dual inlet)

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 (Hytrel®)

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

(*) Not for DF50T pumps

