![SAMOA logo]

DF30 & DF30T PLASTIC PUMPS

TECHNICAL DATA

Pressure ratio	1:1
Maximum free delivery (1)	10 US gal/min (38 l/min)
Delivery per stroke approx. (1)	0.02 US gal (0,07 liters)
Delivery per cycle (2 x strokes) (1)	0.04 US gal (0,14 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)	13' (4 m)
Maximum wet suction lift (1)	26' (8 m)
Weight	4.19 lb (1,9 kg)
Fluid inlet connection	1/2" NPT/BSP (F) 2 x 3/8" NPT/BSP (F) (DF30T)
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).

Dimensions (inches)

A	B	C	D	E	F*
5 1/8	6 19/64	6 1/2	4 9/64	4 51/64	5/16

G	I	J	K	L	M
5 35/64	2 3/4	1/2 (F)	5 3/4	3/8 (F)	15/16
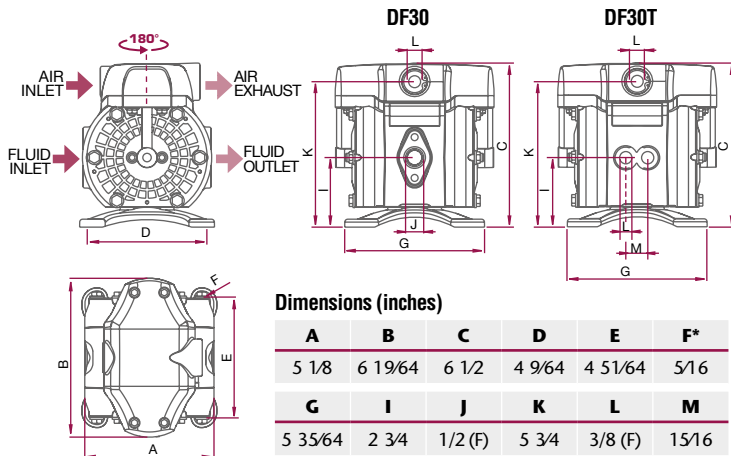
* Diameter of the holes for fasteners in each of the four pump feet.

PERFORMANCE CURVES

Tested at room temperature, with water and flooded pump with 31 1/2" (800 mm) height of water above the pump inlet.
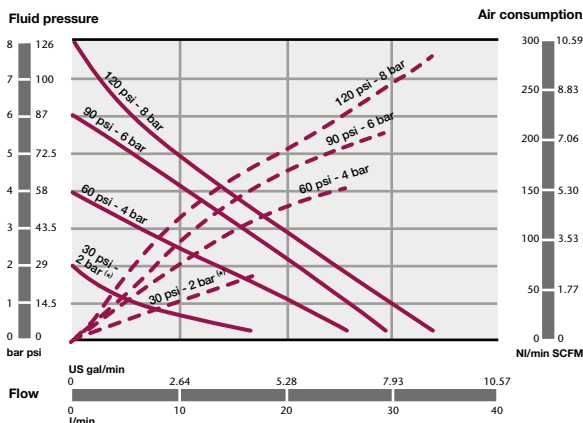
(*) 30 psi test with a PTFE (Teflon®) diaphragms pump.

—— Outlet pressure   - - - - Air consumption

DF30 & DF30T PLASTIC PUMP CODING SYSTEM

1	2	3	4	5	6	7	8	9	10
DF30	P	P	S	E	S	T	M	B	AS

1 PUMP SIZE
DF30
DF30T (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
US = Special UV Ink pump
GS = NPN inductive external pump control sensor
IS = ATEX inductive external pump control sensor
JS = PNP inductive external pump control sensor

(*) Not for DF30T pumps