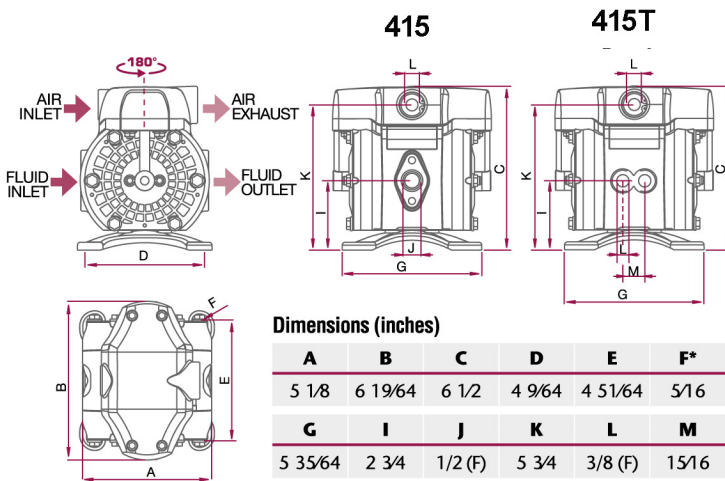


Model 415 Series

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

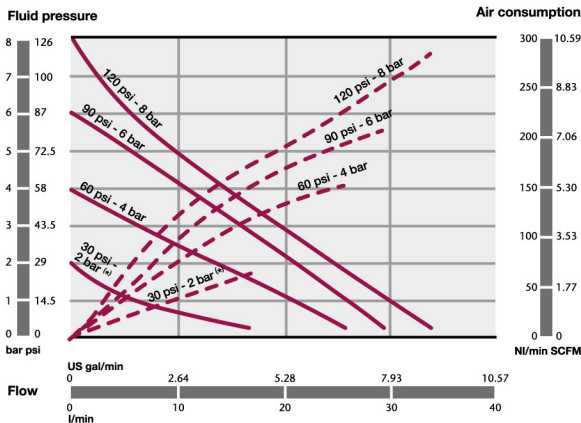
(1) Data measured with water, air inlet pressure 100 psi (7 bar), 68 °F (20 °C).



* 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

415 PLASTIC PUMP CODING SYSTEM

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

- 1 PUMP SIZE**
1/2"
- 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

