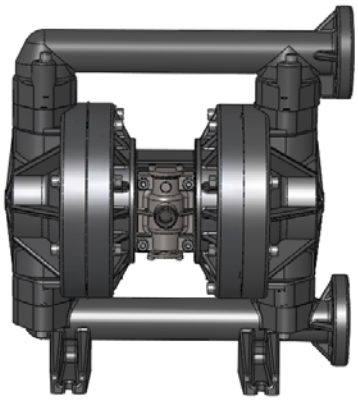


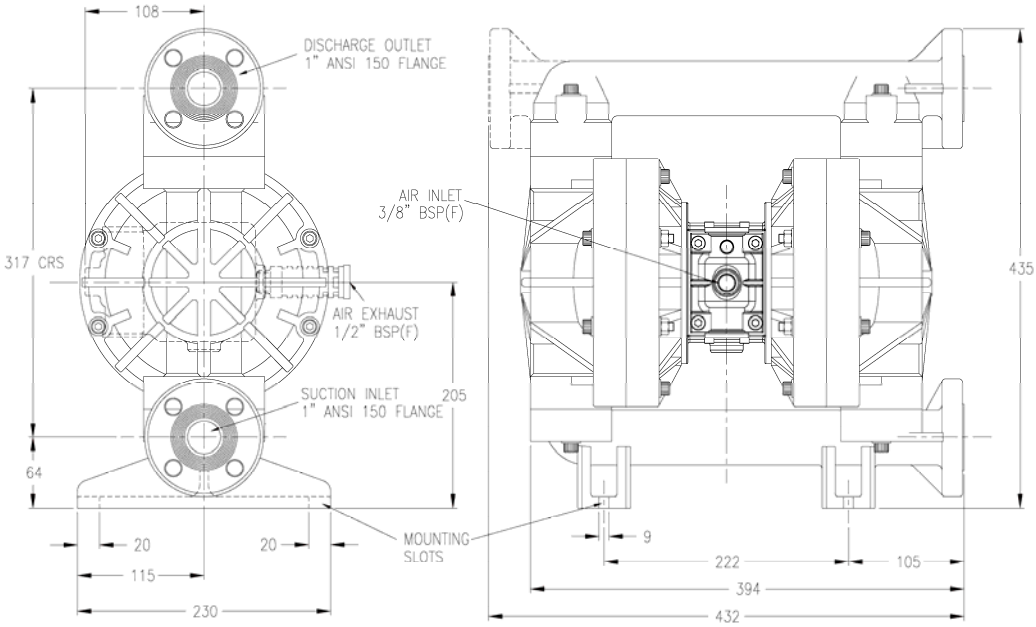
BLAGDON

B25 & X25

AIR OPERATED DOUBLE DIAPHRAGM PUMP

1” Non-Metallic 05 Series

B25 — DIMENSIONS

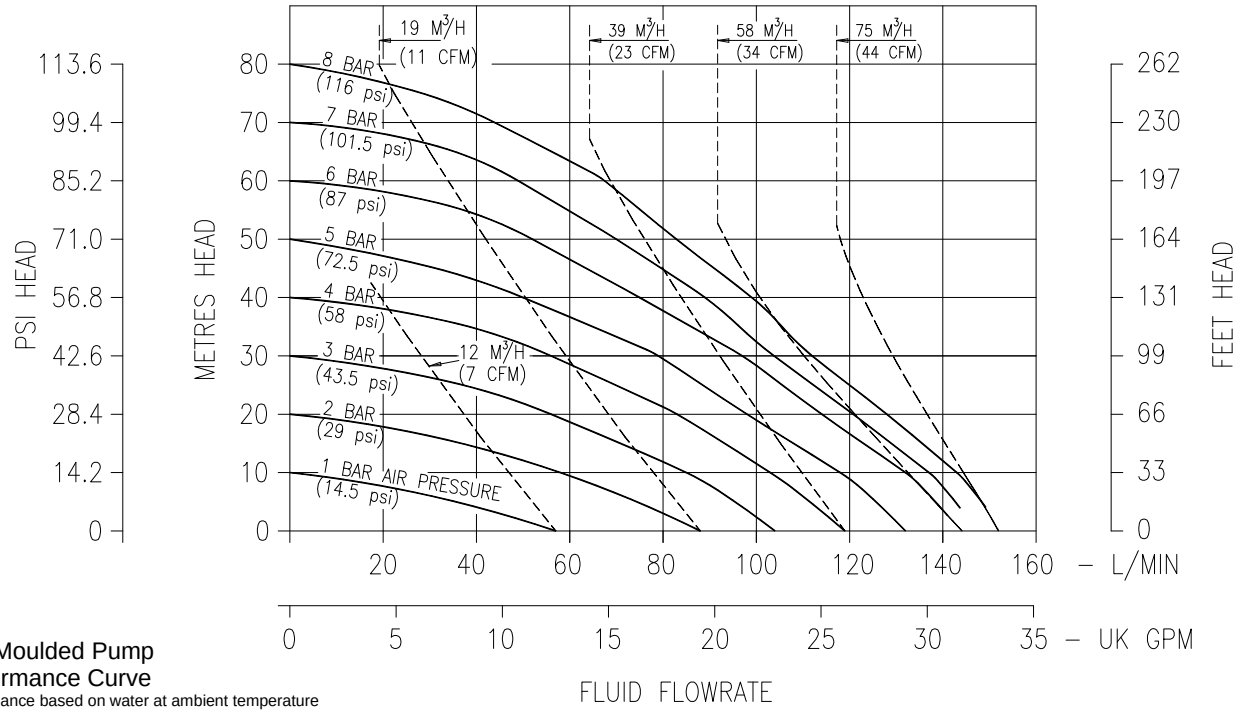


CE

Ex II 2 GD c

General Assembly :- B2505 Moulded Pump, all dimensions +/- 3mm

B25 — PERFORMANCE



B25 Moulded Pump
Performance Curve

Performance based on water at ambient temperature

B25 SPECIFICATIONS

FLUID CONNECTIONS	CAPACITY	MAX SOLIDS	MAX DISCHARGE HEAD	DISPLACEMENT/STROKE
1" ANSI 150 / DN25 Compatible Flange	0 - 152 Liters/Minute (0 - 33 Gallons/Minute)	3 MM (1/8")	88 Meters (289 ft)	0.475 Litres (0.1 UK Gallons)

MAX. WORKING PRESSURE	AIR INLET	TEMPERATURE LIMITS	PUMP WEIGHTS :-
8.6 Bar (125 psi)	3/8" BSP (F)	Polypropylene :- 70°C PVDF (Kynar) :- 90°C	PT/GT :- 13.3 Kg PW/GW :- 15 Kg KT :- 20 Kg KW :- 21.7 Kg

① Caution - *Operating temperature limitations are as follows:*

Materials	Operating Temperatures Maximum	Minimum	Optimum
Buna-n - General purpose, oil resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	176°F 80°C	-18°F -28°C	50° to 140°F 10° to 60°C
EPDM - Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair on ketones and alcohols.	212°F 100°C	-11°F -24°C	50° to 212°F 10° to 100°C
Neoprene - All purpose. Resistant to vegetable oil. Generally not affected by moderate chemicals, fats greases and many oils and solvents. Generally attacked by strong oxidising acids, ketones, esters, nitro hydro carbons and chlorinated aromatic hydrocarbons.	212°F 100°C	-4°F -20°C	50° to 130°F 10° to 54°C
Santoprene® - Injection moulded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	212°F 100°C	-10°F -23°C	50° to 212°F 10° to 100°C
PTFE - Chemically inert, virtually impervious. Very few chemicals are known to react chemically with PTFE : molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.	356°F 180°C	32°F 0°C	50° to 212°F 10° to 100°C
Viton® - Shows good resistance to a wide range of oils and solvents : especially all alphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils.	356°F 180°C	0°F -18°C	75° to 212°F 24° to 100°C
Polypropylene - High strength, light weight, corrosion resistant polyolefin which easily withstands most chemicals, with no known solvent at room temperature.	158°F 70°C	-40°F -40°C	50° to 140°F 10° to 60°C

B25 PUMP CODE

TYPICAL CODE = B25. 05. P T. B B. T T P - T

MODEL
B25 : STANDARD
X25 : ATEX CAT. 2

DESIGN LEVEL

WETTED COMPONENTS
P : POLYPROPYLENE
G : CONDUCTIVE POLY. (ATEX CAT. 2)
K : KYNAR (PVDF)

NON - WETTED COMPONENTS
T : ALUMINIUM / EPOXY PAINTED
W : ST. STEEL / EPOXY PAINTED

VALVE TYPE
B : BALL
W : WEIGHTED BALL

SUCTION ORIENTATION
B : BOTTOM

TAPPED MANIFOLDS

VALVE SEATS
B : BUNA-N
E : EPDM
K : PVDF (KYNAR)
P : POLYPROPYLENE
N : NEOPRENE
V : VITON

VALVE BALLS
B : BUNA-N
E : EPDM
D : DELRIN (ACETAL)
N : NEOPRENE
S : STAINLESS STEEL
T : PTFE
V : VITON

DIAPHRAGMS
B : BUNA-N
E : EPDM
H : POLYESTER (HYTREL)
N : NEOPRENE
R : SANTOPRENE
O : ONE-PIECE PTFE
T : PTFE
V : VITON

IMPORTANT
This pump should be used in accordance with the requirements of the Safety, Health & Welfare at Work Act 2005.
All business conducted subject to IDEX Pump Technologies, Ireland. Terms and Conditions of Sale, available on request.

BLAGDON PUMP

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