



BLAGDON

B25

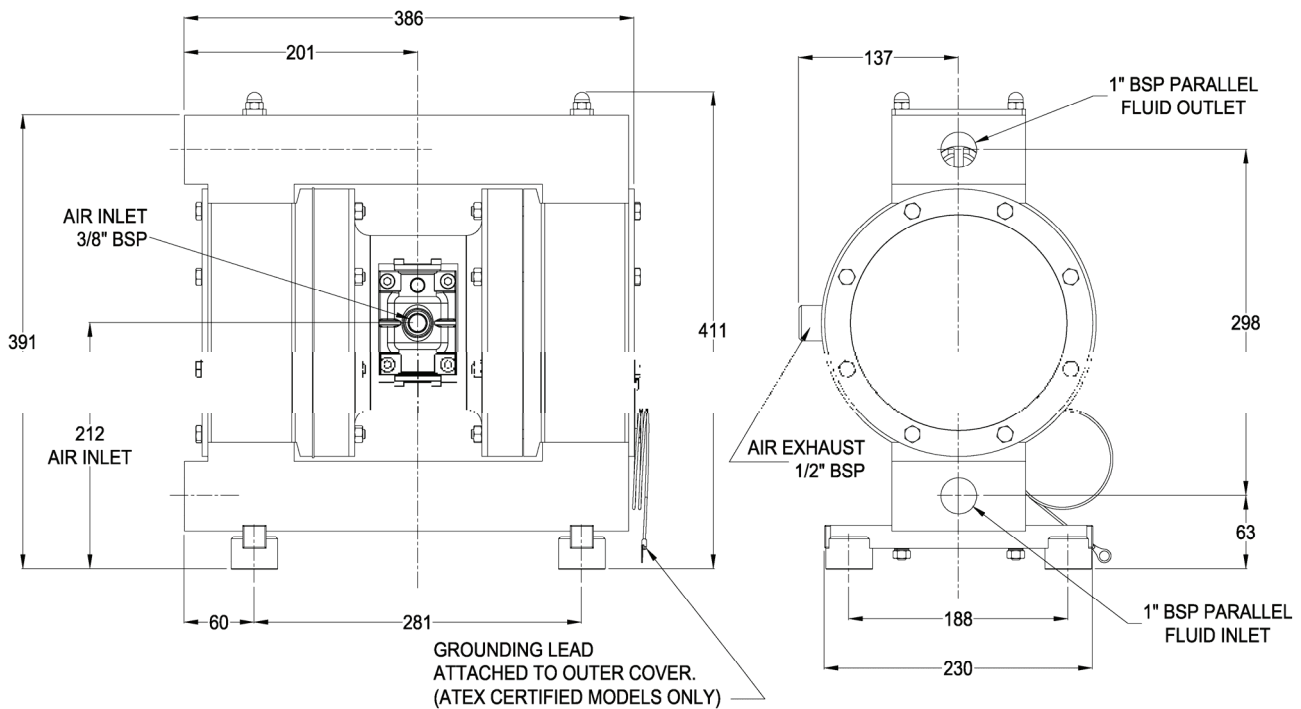
AIR OPERATED DOUBLE DIAPHRAGM PUMP

PTFE '05' Series

B25

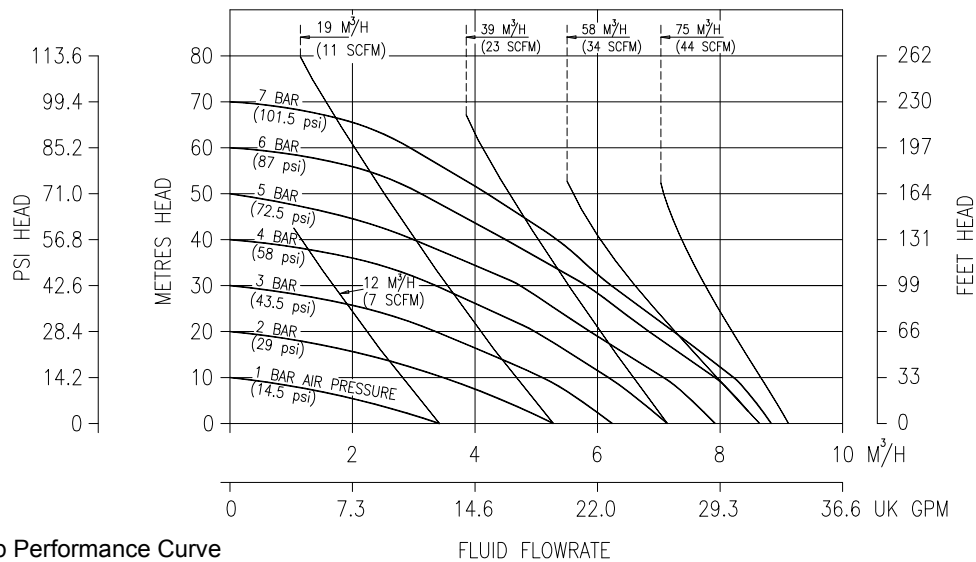
DIMENSIONS

General Assembly :- B2505 PTFE Pump, all dimensions +/- 2mm



B25

PERFORMANCE



B2505 PTFE Pump Performance Curve
Performance based on water at ambient temperature

FLUID CONNECTIONS	CAPACITY	MAX SOLIDS	MAX DISCHARGE HEAD	DISPLACEMENT/STROKE
1" BSP(F), 1" NPT(F) 1" ANSI 150 FLANGE	0 - 136 Liters/Minute (0 - 30 Gallons/Minute)	3 MM (1/8")	70 Meters (230 ft)	0.475 Litres (0.1 UK Gallons)
MAX. WORKING PRESSURE	AIR INLET	TEMPERATURE LIMITS		PUMP WEIGHTS :-
7.0 Bar (100 psi)	3/8" BSP (F) 3/8" NPT (F)	100° C PTFE & CONDUCTIVE PTFE		T5 :- 37 Kg 44 :- 40 Kg

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

Operating Temperatures

Materials	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 aliphatic, 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

TYPICAL CODE = B 25. 05. T 5. B B. T T T - LF

PREFIX

B : BLAGDON
X : ATEX CERTIFIED

MODEL NO.

25 : SERIES

DESIGN LEVEL

WETTED COMPONENTS

T : PTFE
4 : CONDUCTIVE PTFE

NON - WETTED COMPONENTS

4 : CONDUCTIVE PTFE
5 : POLYETHYLENE (HDPE)

VALVE TYPE

B : BALL

SUCTION ORIENTATION

B : BOTTOM

SUFFIX - (WHERE APPLICABLE)

LF : LUBE FREE
F : FLANGED - ANSI 150
H : HYDROSTATIC TEST
(A THREE DIGIT NUMBER SUFFIX
DENOTES A SPECIAL DESIGN
i.e. 301 = OPPOSED SUCTION)

VALVE SEATS

T : PTFE

VALVE BALLS

T : PTFE

DIAPHRAGMS

T : PTFE
X : PTFE/VITON (HIGH TEMP.)

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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