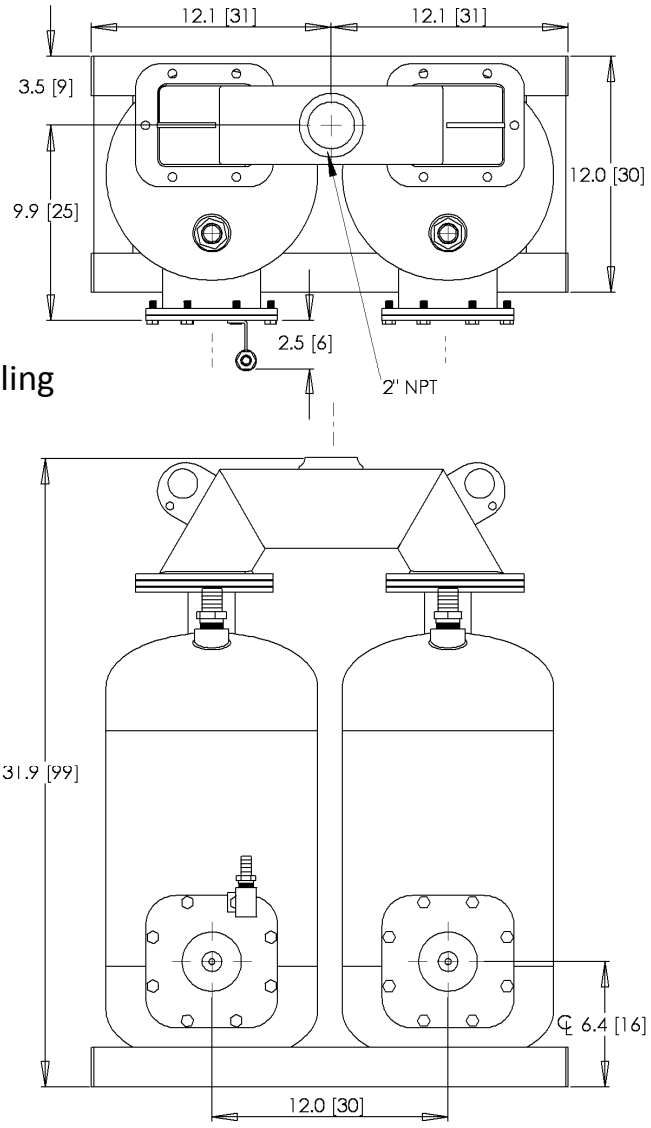
PITBULL INDUSTRIAL PUMPS®



MODEL S3X2S DUAL

CLASS: Submersed chemical and solids handling

CONSTRUCTION: Stainless Steel

CAPACITY: 0-115 gpm [435 lpm]

DISCHARGE PRESSURE: 0-100 psi [6.9 Bar]

MAX SOLID: 2” [5 cm]

CONFIGURATION OPTIONS

- ALL-PNEUMATIC CONTROL (XP/explosion-proof and remote locations)
- ELECTRO-PNEUMATIC CONTROL (non-XP)
- GRAVITY FILLED
- FLOW INDUCED (vacuum assisted fill)
- HIGH TEMPERATURE (212F/100C)

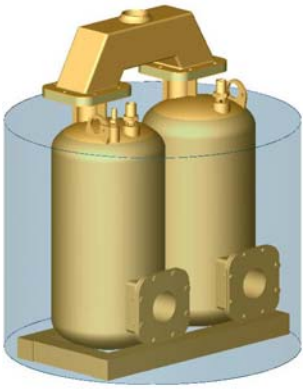
APPLICATION EXAMPLES

Wash-down sumps, tank farms, drilling mud, grains, coal yards/belts, mining solids, packing plant waste, remote compressor stations, boiler blow down, solvents/oils. <u>This pump will handle debris ranging from stringy to abrasive up to 2” diameter including slurries.</u>

QUICK SPECS

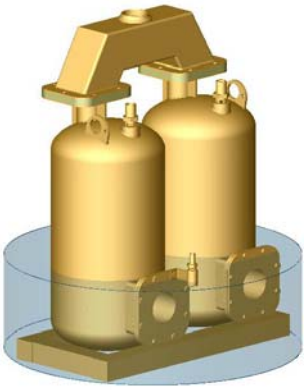
- Weight: 156 lbs [70 kg]
- Stroke Volume: 5.4 gal [21 l]
- Operating Levels: ‘Flow Induced’ - 10”[25 cm], ‘Gravity’ - 30” [76 cm] *(see reverse side for explanation)*
- Panel Required: either AP300 or EP250

See reverse side for Specification Details, Flow Curve and Air Consumption



Gravity operation requires an operating level equal to the top of the pump (appr 30") .

No compressed air is required for the fill stroke.



F3L flow inducement uses a compressed air powered, vacuum generator mounted to the exhaust valve of the control panel. It applies vacuum to the pump during the fill stroke to lower the operating level (appr 10").

*see note below chart for additional air consumption

To specify a pump select a control panel (required) and seat option. Nitrile (std) 15 ft airlines are provided.

Part# S3X2SDUAL/_ /_ _ _

SEAT MATERIAL
N = nitrile (standard)
V = viton
T = teflon
UHD = hard urethane
E = epdm
K = kynar

PANEL OPTIONS
AP300G3-Dual = all-pneumatic, gravity fed.
EP250G3-Dual = electro-pneumatic, gravity fed.
AP300F3L-Dual = all-pneumatic, low vacuum flow induced.
EP250F3L-Dual = electro-pneumatic, low vacuum flow induced.

Example:
S3X2S/N/AP300G3-Dual = 3X2" 304SS submersible pump with nitrile seats, AP300G3-Dual control panel.

Panel Requirements: Compressed air or dry gas, unlubricated, recommended 80 psi delivered through 3/4" pipe or equal (applies to all panels).

EP250 panels also require 110 vac (<1 A).

Valve seat selection:

- Nitrile - good all-purpose elastomer. Medium chemical, oil and solvent resistance, used up to 150°F.
- Viton - excellent resistance to oxidizers and solvents. Medium strength, used up to 250°F.
- Teflon - excellent chemical resistance to acids, bases and solvents. Lower cycle life, non-elastomeric, used up to 300°F.
- Hard Urethane - high durometer with good abrasion resistance with mild chemical resistance, used up to 150°F.
- EPDM - good heat and acid/base resistance but poor hydrocarbon resistance, used up to 300°F.
- PVDF (kynar) - excellent chemical resistance, toughness and resistance to cold flow (thermoplastic). Good cycle life and can be used up to 250°F.

MAXIMUM FLOW CURVE

with air consumption in SCFM (gravity mode)

HEAD	meters	GPM 10	20	30	40	50	60	70	80	90	100	110	120
	lpm	38	76	114	151	189	227	265	303	341	379	416	454
220 ft	67.1	11	22	33	44	55	66	77					
200 ft	61.0	10	20	30	41	51	61	71					
180 ft	54.9	9	19	28	37	46	56	65					
160 ft	48.8	8	17	25	34	42	50	59					
140 ft	42.7	8	15	23	30	38	45	53	60	68	75	83	90
120 ft	36.6	7	13	20	27	33	40	47	53	60	67	73	80
100 ft	30.5	6	12	17	23	29	35	41	46	52	58	64	70
80 ft	24.4	5	10	15	20	25	30	35	39	44	49	54	59
60 ft	18.3	4	8	12	16	20	24	28	33	37	41	45	49
40 ft	12.2	3	6	10	13	16	19	22	26	29	32	35	38
20 ft	6.1	2	5	7	9	12	14	16	19	21	23	26	28
10 ft	3.0	2	4	6	8	10	11	13	15	17	19	21	23

Operating Flow Capacity: ***anywhere*** *in shaded area.*
Air consumption: *pick closest cell to your flow & pressure*

EP250G3 –Dual Panel

Example 1 (gravity fill): 70 gpm @ 20 ft TDH requires 16 scfm

*Note for flow inducement: add 0.09 x gpm to the air consumption.

Example 2 (flow induced): 70 gpm @ 20 ft. Since 70 gpm @ 20 ft uses 16 scfm, then add 0.09 scfm per gpm to that air consumption; in this case 70 x 0.09 scfm or 6.3 scfm. The total consumption is 16 + 6.3 = 22.3 scfm.