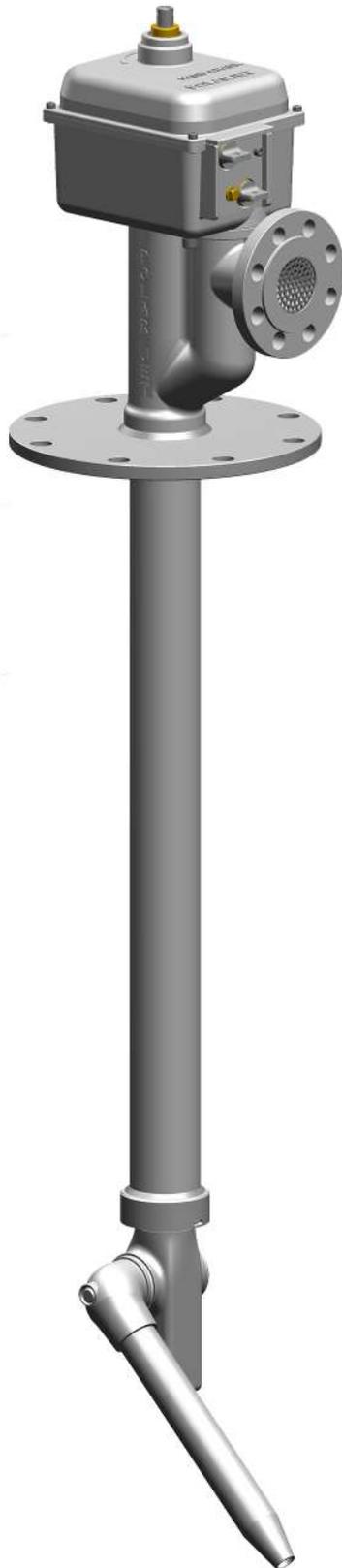


POLAR JET® PJ 30



The Polar Jet® PJ 30 is a fully programmable, single nozzle Tank Cleaning machine equipped with pitch and speed control.



Nozzle movement is fully controlled by the integrated turbine driven control unit, which controls both the vertical pitch and rotation speed.



Nozzle movement is, in principle, a controlled rotation in the horizontal plane, combined with a slow, controlled vertical movement. This means that the nozzle performs helical patterns.



The PJ 30 can also be equipped with a magnetic transmission which prevents the risk of exposing the tank to the outside environment. Thus, allowing the Control Unit to be removed without accidental leakage since the Turbine Shaft does not directly go through the Inlet Housing.



The PJ 30 comes with operator-friendly controls to set both vertical Pitch and rotation Speed. There are two Speed Settings and three Pitch Settings of approximately 1.5, 3 and 7 degrees providing six basic programs.



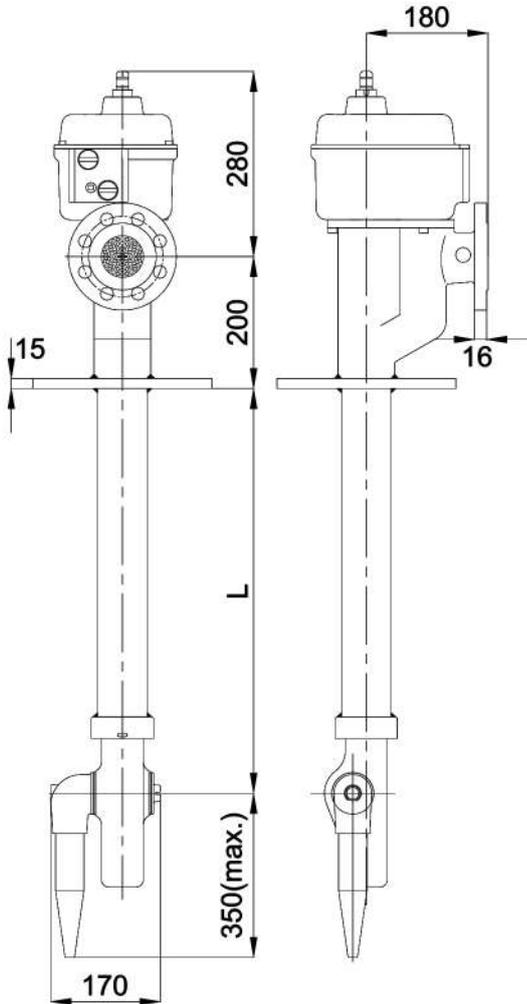
Angle adjustment allows pre-setting of the Pitch at the start of either the upward or downward cycle for optimal cleaning of specific areas such as bottom only or side only cleaning requirements.



Polarmarine provide in-house Shadow Diagrams using 3-Dimensional CAD for model Selection, Quantity, Positioning and Main Pipe Lengths to optimize cleaning coverage per unit.

DATA SHEET POLAR JET® PJ 30

SMALLEST DECK OPENING 180mm



INLET FLANGE

JIS STANDARD	
PCD	120mm
8 Holes	Ø 19mm
DIN STANDARD	
PCD	125mm
4 Holes	Ø 19mm
ANSI STANDARD	
PCD	4 3/4 in
4 Holes	Ø 3/4 in

DECK FLANGE

JIS STANDARD	
OD	320mm
PCD	280mm
8 Holes	Ø 23mm
DIN STANDARD	
OD	340mm
PCD	295mm
12 Holes	Ø 23mm
ANSI STANDARD	
OD	13 1/2 in
PCD	11 3/4 in
8 Holes	Ø 7/8 in

APPROX. WEIGHTS

L (m)	WEIGHT (kg)
1.0	49
2.0	56
3.0	63
4.0	70
5.0	77

SHIPYARD SUPPLY

DECK FLANGE CONN.
GASKETS
STUDS
NUTS
WASHERS

PERFORMANCE DATA FOR POLAR JET® PJ 30

PRESSURE, NOZZLE DIAMETER, THROUGHPUT AND JET LENGTH

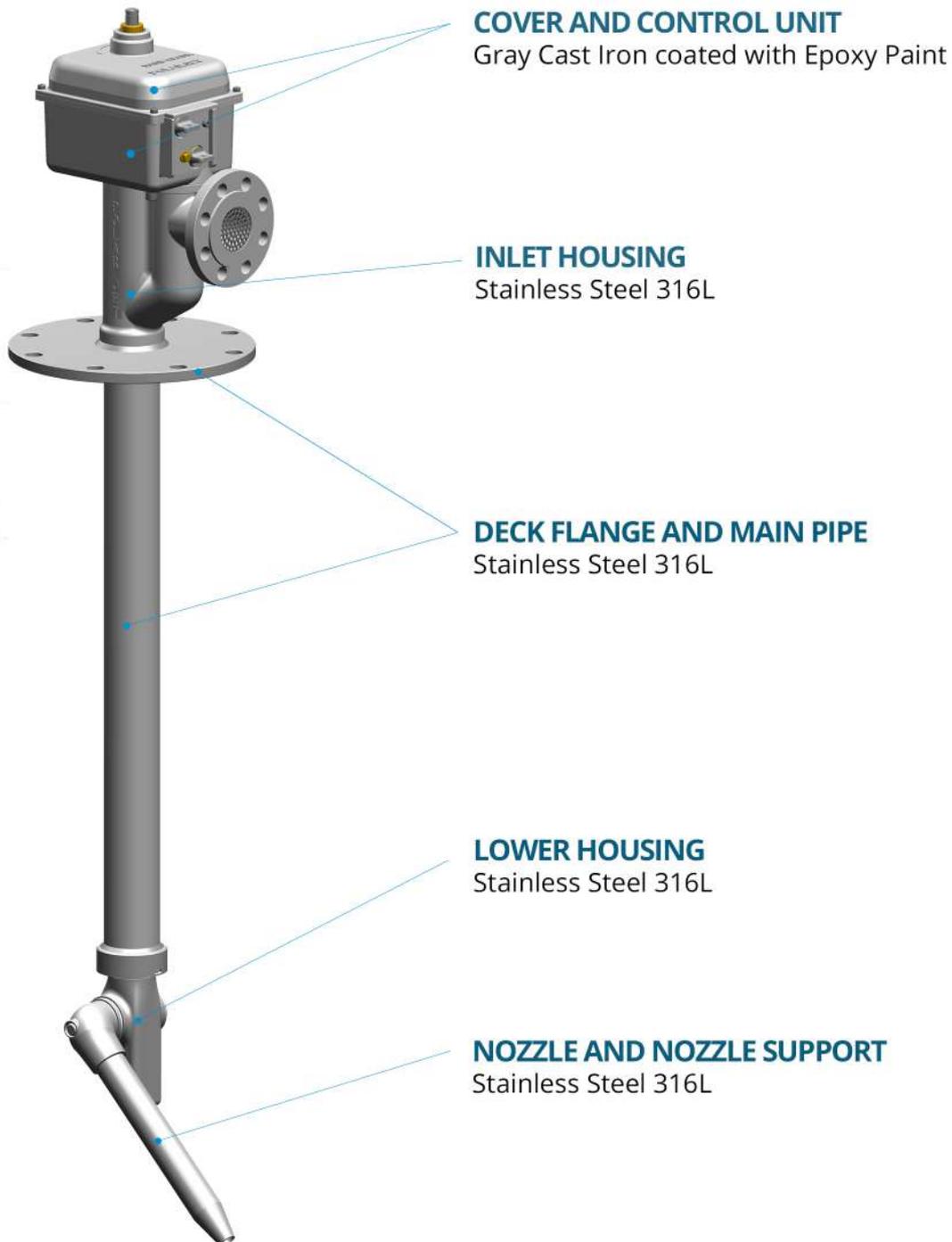
PRESSURE	NOZZLE: Ø 12mm		NOZZLE: Ø 14mm		NOZZLE: Ø 16mm		NOZZLE: Ø 18mm		NOZZLE: Ø 20mm		NOZZLE: Ø 22mm		NOZZLE: Ø 24mm	
BAR	m³/h	METER												
12	19.0	25.0	27.0	26.5	35.0	28.5	44.0	29.5	54.0	31.5	60.0	33.0	69.0**	35.0
11	18.0	24.5	26.0	26.0	33.5	27.5	42.0	29.0	51.0	31.0	57.0	32.5	65.5	34.5
10	17.0	23.5	24.0	25.5	32.0	27.0	39.0	28.5	48.0	30.5	54.0	32.0	62.0	33.5
9	16.0	22.5	23.0	24.5	30.0	26.0	37.0	27.5	45.0	29.5	51.0	31.0	58.0	32.5
8	15.0	21.5	22.0	23.5	28.5	25.0	34.5	26.5	42.5	28.5	48.0	30.0	54.5	31.5
7	14.0	20.5	20.0	22.5	27.0	24.0	32.0	25.5	40.0	27.5	45.0	29.0	51.0	30.5
6	13.0*	19.5	19.0	21.5	25.0	23.0	30.0	24.5	37.0	26.5	42.0	28.0	47.0	29.5

*At this low capacity of Polar Jet PJ 30 has, we suggest considering using PJ 15. Refer to Polar Jet PJ 15 Data Sheet.

**At this high capacity of Polar Jet PJ 30 has, we suggest considering using PJ 120. Refer to Polar Jet PJ 120 Data Sheet.

Note: Polarmarine can provide intermediate nozzle sizes based on customer's machine performance requirement. On the other hand, intermediate nozzle sizes could refer to performance data of the larger nozzle size (For instance, Ø 15.2 mm needs to apply performance data of Ø 16 mm).

MATERIAL SPECIFICATIONS POLAR JET® PJ 30



*Paint specification is Polarmarine Standard. Modification of paint specification is subject for additional charge.

**Also available with Stainless Steel 316 Control Unit and Cover upon request and subject to additional charge.

***PJ 30 equipped with magnetic coupling also available upon request and subject to additional charge.