

TANK CLEANING EQUIPMENT

POLAR JET® PJ 30

General Information

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

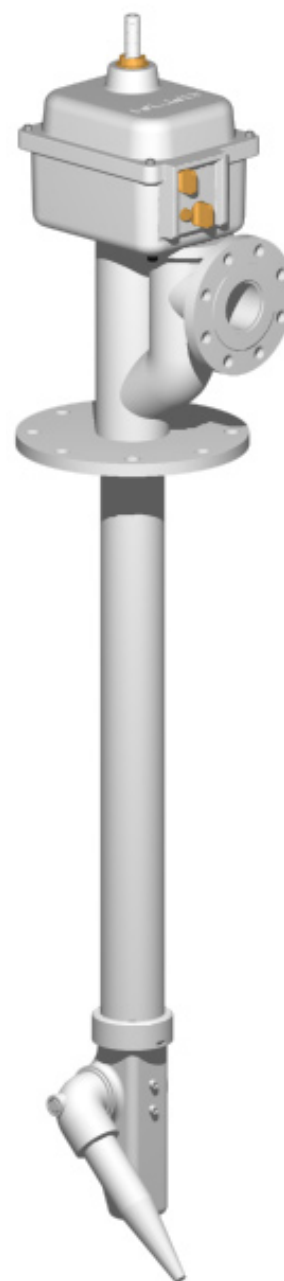
Nozzle movement is fully controlled by the integrated turbine driven control unit, which controls both the vertical pitch and rotation speed.

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 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.



Technical data PJ 30

Smallest deck opening 180 mm

Inlet flange

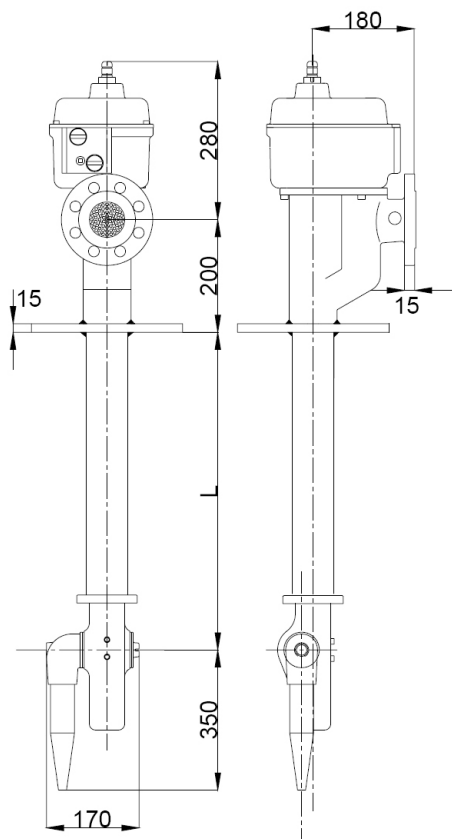
JIS Standard
PCD 120 mm
8 holes Ø 19 mm

DIN Standard
PCD 125 mm
4 holes Ø 19 mm

ANSI Standard
PCD 4 3/4 inches
4 holes Ø 3/4 inches

Approx. Weights

L (m)	Weight (kg)
1.0	49.0
2.0	56.0
3.0	63.0
4.0	70.0
5.0	77.0



Outlet flange

JIS Standard
O.D 270 mm
PCD 225 mm
8 holes Ø 25 mm

DIN Standard
O.D 265 mm
PCD 225 mm
8 holes Ø 19 mm

ANSI Standard
O.D 8 1/2 inches
PCD 7 inches
8 holes Ø 3/4 inches

Shipyard supply:

Deck flange connection

Gaskets
Studs
Nuts
Washer

PERFORMANCE DATA FOR POLAR JET® PJ 30 PRESSURE, NOZZLE DIAMETER, THROUGHPUT AND JET LENGTH

Press	Nozzle Ø12mm		Nozzle Ø14mm		Nozzle Ø16mm		Nozzle Ø18mm		Nozzle Ø20mm	
	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter
12	19	25	27	26.5	35	28.5	44	29.5	54	31.5
11	18	24.5	26	26	33.5	27.5	42	29	51	31
10	17	23.5	24	25.5	32	27	39	28.5	48	30.5
9	16	22.5	23	24.5	30	26	37	27.5	45	29.5
8	15	21.5	22	23.5	28.5	25	34.5	26.5	42.5	28.5
7	14	20.5	20	22.5	27	24	32	25.5	40	27.5
6	13	19.5	19	21.5	25	23	30	24.5	37	26.5

Press	Nozzle Ø22mm		Nozzle Ø24mm		Nozzle Ø25mm		Nozzle Ø28mm		Nozzle Ø30mm	
	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter	m ³ /h	meter
12	60	33	69	35	73	36.5	88	38	103	39.5
11	57	32.5	65.5	34.5	69	36	84	38	99	39
10	54	32	62	33.5	65	35.5	79.5	37.5	93	38.5
9	51	31	58	32.5	61.5	34.5	75	37	88	38
8	48	30	54.5	31.5	58	33.5	70.5	36	83	37.5
7	45	29	51	30.5	54	32.5	66	35	77	36.5
6	42	28	47	29.5	50	31.5	62	34	72	35.5

Subject to alteration without notice.