

POLAR JET®

PJ 120

RETRACTABLE TYPE



The POLAR JET® PJ 120 is a deck mounted, fully programmable, single nozzle Tank Cleaning machine equipped with speed and angle limit controls. Movement of the nozzle can be set to work between any angles from 0 to 180 degrees.



For example, the PJ 120 can be set to work only between 0 to 45 degrees with reverse direction for concentrated bottom cleaning – or any other angle parameters of 30 degrees or more.



Nozzle movement is controlled by the integrated turbine driven control unit providing a controlled rotation in the horizontal plane, combined with a slow, controlled vertical movement. This means that the nozzle performs helical wash patterns.



The Turbine driven automatic nozzle pitch for the PJ 120 is 3 degrees. Adjustable guide vanes located in front of the turbine control speed, which should be between 1 and 2.5 RPM.

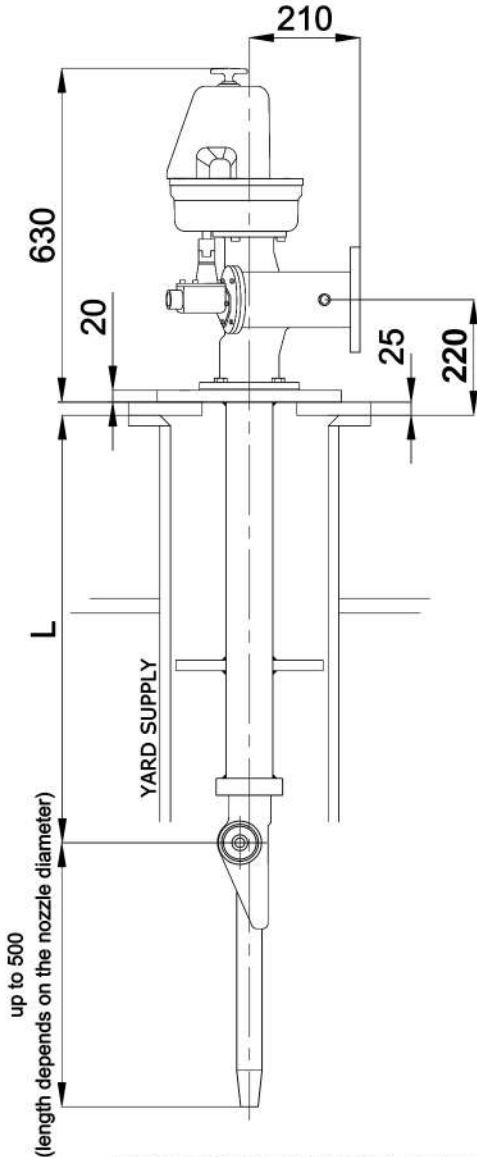


Polarmarine provide in-house Shadow Diagrams using 3-Dimensional CAD for model Selection, Quantity, Positioning and Main Pipe Lengths to optimize cleaning coverage per unit.

The PJ 120 Retractable type provides a great way to maximize the cargo hold area during the loading and unloading activities. Retracting is done by simply un-mounting the equipment's slip-on flange and mount it using the built-in parking flange.

DATA SHEET

POLAR JET® PJ 120 RETRACTABLE TYPE



SMALLEST DECK OPENING 300mm

INLET FLANGE

JIS STANDARD	
PCD	160mm
8 Holes	Ø 23mm

DIN STANDARD	
PCD	160mm
8 Holes	Ø 19mm

ANSI STANDARD	
PCD	6.0 in
4 Holes	Ø 3/4 in

APPROX. WEIGHTS

L (m)	WEIGHT (kg)
1.0	90
2.0	105
3.0	120
4.0	135
5.0	150

SLIP-ON FLANGE

JIS STANDARD	
OD	430mm
PCD	380mm
12 Holes	Ø 25mm

**Also available with DIN, and ANSI Standard upon request.*

SHIPYARD SUPPLY

DECK FLANGE CONN.
GASKETS
STUDS
NUTS
WASHERS

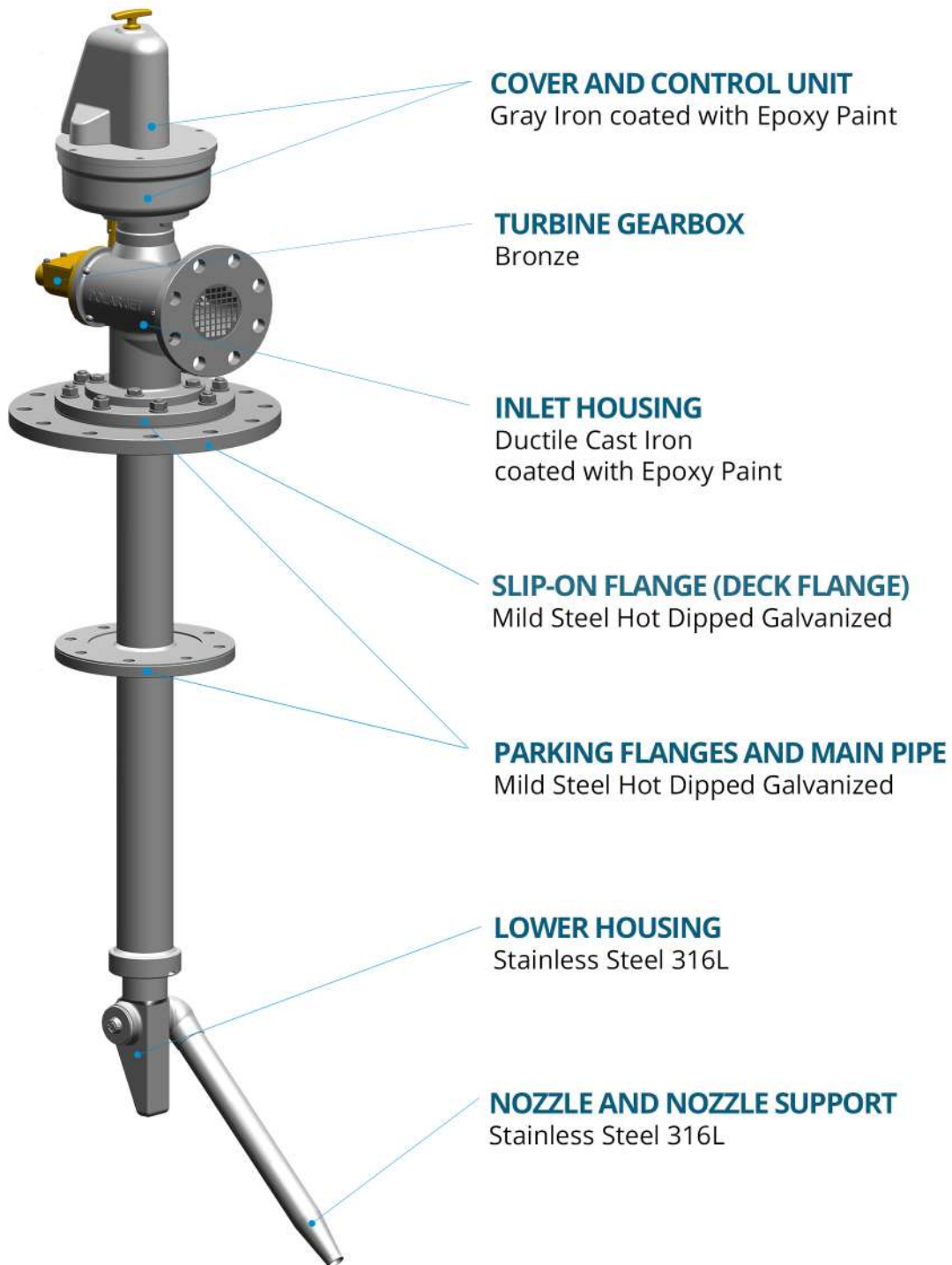
PERFORMANCE DATA FOR POLAR JET® PJ 120 RETRACTABLE TYPE

PRESSURE, NOZZLE DIAMETER, THROUGHPUT AND JET LENGTH

PRESSURE	NOZZLE: Ø 25mm		NOZZLE: Ø 26mm		NOZZLE: Ø 28mm		NOZZLE: Ø 29mm		NOZZLE: Ø 30mm		NOZZLE: Ø 31mm		NOZZLE: Ø 32.5mm		NOZZLE: Ø 35mm	
	BAR	m ³ /h	METER	m ³ /h	METER	m ³ /h	METER	m ³ /h	METER	m ³ /h	METER	m ³ /h	METER	m ³ /h	METER	m ³ /h
12	74.0	40.0	80.0	41.0	89.0	42.5	97.0	43.5	105.0	44.5	114.0	45.5	126.0	46.5	149.0	48.0
11	70.0	39.5	76.0	40.5	84.5	42.0	92.0	43.0	100.0	44.0	108.0	45.0	119.0	46.0	141.0	47.5
10	66.0	39.0	72.0	40.0	80.0	41.5	87.5	42.5	94.0	43.5	102.0	44.5	112.0	45.5	132.0	47.0
9	62.5	38.0	66.0	39.0	76.0	40.5	82.5	41.5	89.0	42.5	96.0	43.5	105.0	44.5	123.0	46.0
8	59.0	37.0	64.0	38.0	72.0	39.5	78.0	40.5	84.0	41.5	90.0	42.5	98.0	43.5	114.0	45.0
7	55.0	35.5	60.0	36.5	68.0	38.0	73.0	39.0	78.5	40.0	84.0	41.0	91.0	42.0	104.0	43.5
6	51.0*	34.0	56.0	35.0	63.0	36.5	68.5	37.5	73.0	38.5	78.0	39.5	84.0	40.5	95.0	42.0

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 120 RETRACTABLE TYPE



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

Also available with **Stainless Steel 316 Inlet Housing upon request and subjected to additional charge.

***Also available with **Stainless Steel 316L** Slip-on Flange (Deck Flange), and Parking Flanges and Main Pipe upon request and subjected to additional charge.

****We can also supply **Bronze Washing Unit** as Optional.