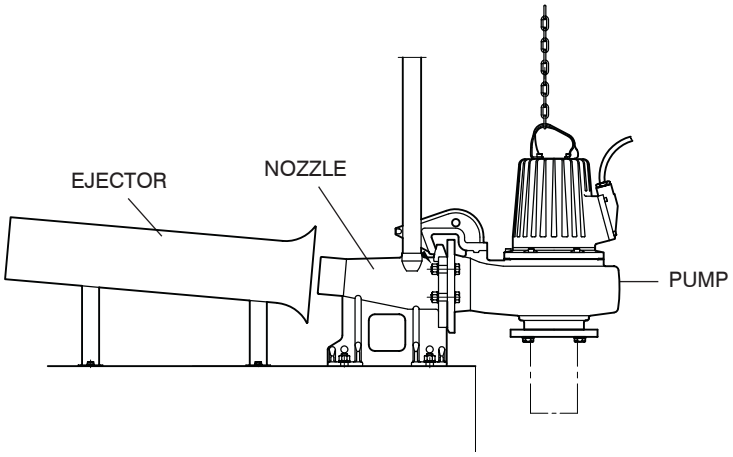
JP 4715

High thrust submersible jet mixer



N 3127 Pump

Applications

The JP 4715 is used in waste treatment plants for retention basin cleaning. Water entering retention basins often contains solid particles and other suspended matter which can build-up on the floor and walls of the basin, causing toxic gasses and unpleasant odors. When a powerful Flygt jet mixing ejector is installed in the basin, all solid materials are resuspended and then flushed as the basin is emptied, eliminating the need for manual cleanup.

Pump Features:

Cable. Standard 50 ft. of SubCab cable.

Junction Chamber. Cable entry incorporates a strain relief and grommet controlled compression sealing. Between the junction box and stator housing a rubber gland provides additional seal protection of the motor.

Pump Housing. High strength, cast iron ASTM A48 No. 35B body. Static seals are leakproof Nitrile rubber O-rings in precision machined grooves, with controlled compression. The volute bottom provides sealing between volute and impeller. Adjustable clearence between volute bottom and impeller to maintain peak efficiency throughout the life of the pump.

Shaft. Stainless steel ASTM A479 S43100-T

Motor. Air filled, NEMA design B with class H (180°C) insulation. 4 pole, 1750 rpm. Shrink-fit to the motor housing. Allows no less than 15 starts per hour. Built-in thermal sensors for additional motor overload protection.

Bearings. Upper: single row ball bearing. Lower: double row ball bearing.

Shaft Seals. Independent double face seals running in environmentally friendly, FDA approved (Standard #172.878) lubricant.

Upper seal: tungsten carbide/ tungsten carbide. Lower seal: tungsten carbide/ tungsten carbide. Oil quantity: 4.8 pints (2.3 l).

Impeller. Semi-open multi-vane, back swept, non-clog design with self cleaning vane leading edges. Material: cast of Hard-Iron™ (ASTM A-532 (Alloy III A) 25% chrome cast iron with leading edges hardened to HRC 60.

Fasteners. Stainless steel AISI 316

Ejector Assembly Features:

Ejector Pipe. Stainless steel

Nozzle. Cast Iron

Approval:

CSA approved to UL Standard #778. US

Options:

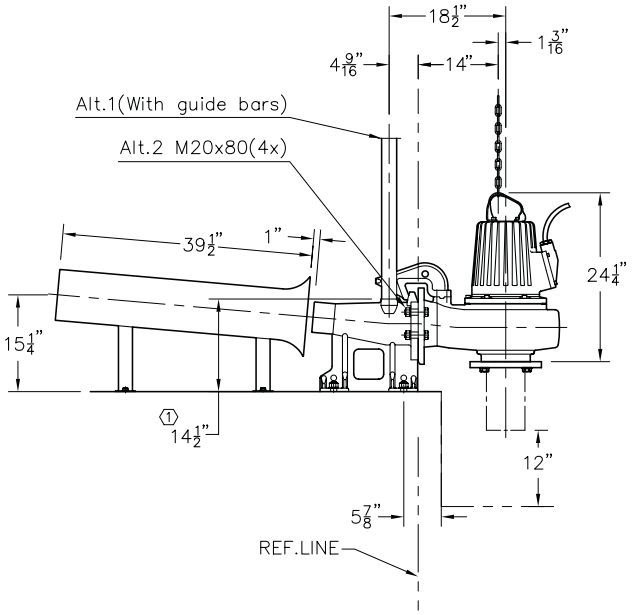
Standard variant **N3127.185**;
Explosionproof FM approved variant **N3127.095;**
Warm Liquid version

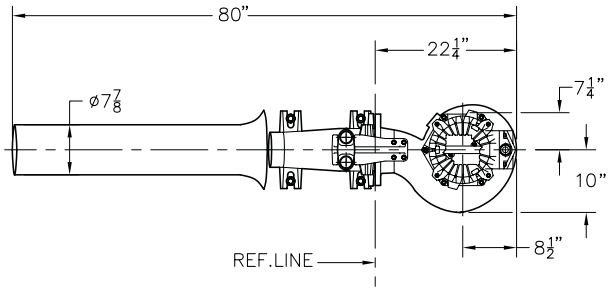
Controls (not shown).

Manual or Automatic controls, providing short circuit and overload protection, housed in NEMA 4X (watertight, corrosion resistant) plastic enclosures. Automatic controls are available complete with Flygt Level Probes or ENM-10 level switches for unattended operation.

Accessories:

Zinc Anodes.





NOTES:
1. DIM. TO END OF GUIDE BARS.

NOM. SIZE	VERSION	WEIGHT (LBS.)	
		PUMP	DISCH.
6"	LT	340	95

Pump Model	Ejector Assembly	Impeller Code	HP	Phase	Volts	FLA	LRA	Poles/rpm	Cable Size	Max. Cable Length (Ft.)	Cable Part Number
N 3127	726 83 00	421	10	3	200	29	161	4/1735	4G10+S(2x0.5)	160	94 19 81
			10	3	230	25	128	4/1735	4G6+2x1.5	135	94 20 56
			10	3	460	13	64	4/1735	4G6+2x1.5	525	94 20 56
			10	3	575	10	57	4/1745	4G2.5+2x1.5	345	94 20 59

Locked Rotor KVA	Locked Rotor Code Letter KVA/HP	Rated Input Power kW
51	F	8.9

Efficiency			Power Factor		
100% LOAD	75% LOAD	50% LOAD	100% LOAD	75% LOAD	50% LOAD
83.5	85.0	84.5	0.89	0.87	0.81

Material

Denomination	Material	ASTM
Nozzle	Cast iron	A 48 No 35B
Pipe	Stainless steel	304
Screws, stud and nuts	Stainless steel	316L

Surface treatment

Primer	M 0722.61
Coating	M 0726.00

Optimal results

Our system engineers have years of experience at providing the optimum solutions for retention basins and can provide any help necessary with selection, dimensioning, and positioning of units.

We have worked together with many different customers, supplying the best possible results for their different sized and shaped retention basins. Customer satisfaction is our primary goal.

Xylem Inc., U.S.A. **Flygt/WEDECO products**, 14125 South Bridge Circle, Charlotte, NC 28273. Tel. (704) 409-9700 Fax.(704) 295-9080

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