

ESS Equipment Inventory

Type Pump/ Manu/ Model No.	Pump Serial #	ESS Equip #	Motor Size, HP	Max Cap, GPH	Max Disc. Press (Press Gage) Press. Relief Setting, PSI	Mat'ls of Construc- tion ¹	Liq Only or Both Liq & Disp's.	FB- Contra Capab' ?
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I. Diaphragm-Type, Positive-Displacement, Metering Pumps

A. LMI

C-111-75HV	010411796	LMI#1	NA	2.5	150	PP,T,SS	Both	No
C-111-75HV	010411797	LMI#2	NA	2.5	150	PP,T,SS	Both	No
E-511-75HV(EP)	931101075	LMI#3	NA	2.5	150 (200) 150	PP,T,SS	Both	Yes
C-911-75HV	980312990	LMI#4	NA	2.5	150 (200) 150	PP,T,SS	Both	Yes
C-761-75-HPP	0303746809-1	LMI#5	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes
C-761-75-HPP	0307774891-1	LMI#6	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes
C-761-75-HPP	0308785695-2	LMI#7	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes
C-761-75-HPP	0308785695-3	LMI#8	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes
E-761-75-HPP(EP)	-	LMI#9	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes
E-761-75-HPP(EP)	-	LMI#10	NA	4.0	175 (200) 175	PP,T,SS	Both	Yes

B. Neptune⁴

532-A-N3-FA-EX1(EP)	106718	Nept#3	0.25	11.0	350 (400) 350	V,T,SS	Liquids	Yes
535-A-N3-FA-EX1(EP)	100581	Nept#4	0.25	18.0	350 (400) 350	V,T,SS	Liquids	Yes
535-VS-N3	126047	Nept#5	0.33	18.0	300 (400) 300	V,T,SS	Both	Yes
535-VS-N3	126048	Nept#6	0.33	18.0	300 (400) 300	V,T,SS	Both	Yes
547-VS-N3-FA-T17	145485	Nept#7	0.75	30.0	500 (600) 500	V,T,SS	Both	Yes
547-VS-N3-FA-T17	145486	Nept#8	0.75	30.0	500 (600) 500	V,T,SS	Both	Yes
547-VS-N3-FA-E17	148694	Nept#9	0.75	30.0	500 (600) 500	V,T,SS	Both	Yes
547-VS-N3-FA-E17	148695	Nept#10	0.75	30.0	500 (600) 500	V,T,SS	Both	Yes
567-A-N3-FA-E17	101291	Nept#11	0.75	80.0	250 (300) 250	V,T,SS	Liquids	Yes

C. Wilden

M-1	NA	Wil#1	Air	600.0	150 (200) 150	T,SS	Liquids	Yes
M-1	NA	Wil#2	Air	600.0	150 (200) 150	T,SS	Liquids	Yes

II. Progressive-Cavity-Type, Positive-Displacement, Transfer Pumps

A. Moyno⁵

33101	WJ	Moy#1	0.5	105 ²	150 (300,200) 150	B or V, CI	Both	Yes
33101	WJ	Moy#2	0.5	105 ²	150 (300,200) 150	B or V, CI	Both	Yes
33101(EP)	NA	Moy#3	0.75	105 ²	150 (300,200) 150	B or V, CI	Both	Yes
33101(EP)	NA	Moy#4	0.75	105 ²	150 (300,200) 150	B or V, CI	Both	Yes
33301	NA	Moy#5		300 ²	50 ²	B or V, CI	Both	Yes

B. Continental

CP22-C5FMT	CP10577	Cont#1		170 ²	100 ²	B or V, CI	Both	Yes
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Pump Related Footnotes:

¹ Materials of Construction:		² Pump Capacity vs. Pressure Head Curve			
A. B=	Buna Rubber	Model No	GPH	@	Head, PS
B. CI=	Cast Iron	33101	120	@	0
C. PP=	Polypropylene		105	@	75
D. SS=	Stainless Steel		90	@	150
E. T=	Teflon	33301	570	@	0
F. V=	Viton		435	@	25
			300	@	50
		CP22-	300	@	0
		C5FMT	210	@	50
			120	@	100

⁴ All Neptune pumps have internal pressure relief/recycle. Additionally, all ESS pump skids are equipped with external pressure relief valves. To the extent practical, both will be set @ the same pressure.

Weigh Scales:

Field (F1-F6):	6 Units, 1,000 Lbs ± 0.05 - 0.1 Lbs.(IS)	Weight Standards: Certified Annually w Traceability to NIST Standards. Certified 9/2003.
Shop/Spare(S1-S2)	2 Units, 1,000 Lbs ± 0.05 - 0.1 Lbs.(IS)	Field: 25 - 50.00 Lbs Standards (ESS#1 - #25)
Lab (L1):	1 Unit, 300 Lbs ± 0.015 - 0.03 Lbs.	Lab/Shop: 1 - 25.00 Lbs Standard (ESS#26)
(L2):	1 Unit, 50 Lbs ± 0.0025 - 0.005 Lbs.	Lab: One (32 Piece, 51+ Lbs) Set of SS Laboratory Weight Standards (Lbs):
(L3):	1 Unit, 15 Lbs ± 0.00075 - 0.0015 Lbs.	(a) 3-10, (f) 2-0.2, (k) 1-0.03125, (p) 1-0.005,
(L4):	1 Unit, 1 Lb ± 0.00001 to 0.00002 Lb.	(b) 3-5, (g) 1-0.125, (l) 2-0.02, (q) 1-0.00390625,
		(c) 5-1, (h) 1-0.1, (m) 1-0.015625, (r) 2-0.002,
		(d) 1-0.5, (i) 1-0.0625, (n) 1-0.01, (s) 2-0.00195125, &
		(e) 1-0.25, (j) 1-0.05, (o) 1-0.0078125, (t) 1-0.001.

⁵ Moyno Stators Available in Buna for Dispersions & solutions, & Viton for MCB, Perc, Etc. All Seals/Flex Joints Are in Viton.

⁶ Five (5) Neptune pumps equipped w EP Motors & Stoke Controllers. Three additional EP enclosures/cables sets are available for installation where needed