



#1887

Union TD-120 Sour, 125HP Triplex Pump Package

FOR IMMEDIATE SALE



Up to 560m³/day or up to 3748psi discharge pressure – this full sour water injection / disposal package is sitting right now in Three Hills, AB and can go to work immediately after installing your choice of plungers! The Union TD-120 Pump is the only part that is in a reconditioned state, everything else is in unused/new condition. Fortunately, we did the pump work ourselves, so we offer a full 1 year warranty on it – the same that you would get if you bought a NEW pump from Union or National.

There is one 3 bag filter (coated) included, but we have the room, spool pieces, and extra identical filter to install a second one if you require. As mentioned, this a sour unit; coated pipe, no TOL's, linebacker gaskets, sour valves etc. A full drawing and QA package included. With this pump package you are getting everything you love about new, combined with a price that you can brag about. Requires only electrical wiring to JB's and it is ready to go!

FOR IMMEDIATE SALE

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Union TD-120, 1500#, Sour, 125 HP Triplex Pump Package



Condition	New / Never Used
Location	Three Hills, AB
Availability	Immediate
Warranty	NEW – 12 Months
Driven Model	Union TD-120 (M)
Pump Driver	WEG 125HP Electric Motor, VFD Rated
Charge Pump	Grundfos CRN 20-3 c/w 7.5HP WEG Motor
Filter	3 Bag (coated) w/ Bypass
Piping	3" 150# Suction; 2" 1500# Discharge, Internally Coated, 2" Turbine Flow Meter
Building	12' x 18' x 9' Gable Style, Ridge Vent, Ice Rakes, 2" Drip Lip, Drain Sump, Insulated Skid, etc.
Of Note	Client choice of plungers included in price. PSV and heater not shown, but are included in the offering. Full drawing and QA Package is Included



Take a 3D walkthrough at <https://bit.ly/2CWpmvW>

Pump & Accessories

MAIN PUMP, MOTOR AND EQUIPMENT

P-200 Triplex Pump:

- One (1) REMANUFACTURED UNION TD-120 Pump "M" Fluid End
- Client choice of plungers
- 3" Suction, 2" Discharge Connections
- 3 Feed Lubricator w/ Oil Reservoir
- Sheave Kit and Belt Guard
- Mounted on sub assembly skid and attached to main skid
- Zero-Hour Overhaul c/w 12 month warranty

M-200 Motor

- One (1) NEW 125HP Electric Motor
- WEG
- TEFC, Roller brg. drive end
- 1800 RPM
- VFD Rated
- 460V/3/60

PD-100 Suction Stabilizer:

- One (1) Status Flow or equal Pulsation Stabilizers
- 300 cu/in
- 3" 150# RF
- CRN for BC, SK, AB, MB

PD-200 Discharge Stabilizer:

- One (1) CoorsTek or equal Discharge Pulsation Stabilizer
- 300 cu/in
- 2" 1500# RF
- CRN for BC, SK, AB, MB

P-100 Charge Pump:

- One (1) NEW Grundfos CRN 20-3 Centrifugal Pump
- All Wetted Parts Stainless Steel
- Rated at 120 gpm @ 65 psi
- Low NPSH Impeller rated at <5ft npshr

M-100 Charge Pump Motor:

- One (1) 7.5 HP WEG Motor
- TEFC, 3550 RPM
- 460V/3/60Hz

F-100 Filter Vessel:

- New P2 3 Bag Filter Vessel
- Internally Coated
- MAWP 150 PSI @ +300F/-20F
- 4" 150# RF in/out Connections
- Rated for 815m3/day
- AB/BC/SK CRN Registration
- Piping connections for 2nd filter
 - 2nd 3 bag filter currently in stock

Pump & Accessories

					100 RPM	200 RPM	250 RPM	300 RPM	350 RPM	400 RPM						
Model	Plunger	Gal/Rev	Max PSI	Max kPa	m³/d	GPM	m³/d	GPM	m³/d	GPM	m³/d	GPM	m³/d	GPM	m³/d	GPM
Union TD-120 H	10"	0.04335	10000	68948	22.4	412	44.9	824	56.1	10.3	67.3	12.4	78.6	14.4	89.8	16.5
	12.5"	0.06773	8149	56184	35.1	643	70.2	12.9	87.7	16.1	105	19.3	123	22.5	140	25.7
	15"	0.09754	5659	39016	50.5	927	101	18.5	126	23.2	152	27.8	177	32.4	202	37.1
Union TD-120 M	17.5"	0.13276	4000	27579	68.7	12.6	137	25.2	172	31.5	206	37.8	241	44.1	275	50.4
	2.0"	0.1734	3183	21947	89.8	16.5	180	32.9	224	41.2	269	49.4	314	57.7	359	65.9
	2.25"	0.21946	2515	17341	114	20.8	227	41.7	284	52.1	341	62.5	398	73	455	83.4
	2.5"	0.27094	2037	14046	140	25.7	281	51.5	351	64.3	421	77.2	491	90.1	561	103
Union TD-120 L	2.75"	0.32783	1600	11032	170	31.1	340	62.3	424	77.9	509	93.4	594	109	679	125
	3.0"	0.39015	1415	9754	202	37.1	404	74.1	505	92.7	606	111	707	130	808	148
	3.25"	0.45788	1205	8311	237	43.5	474	87	593	109	711	130	830	152	948	174
	3.5"	0.53104	1039	7166	275	50.4	550	101	687	126	825	151	962	177	1100	202
	3.75"	0.60961	905	6243	316	57.9	631	116	789	145	947	174	1105	203	1263	232
	4.0"	0.6936	796	5487	359	65.9	718	132	898	165	1078	198	1257	231	1437	264
Brake HP Required					34		68		85		102		119		136	

"L" Fluid End is Available (stock) for higher volume/lower pressure applications



Pump & Accessories

INSTRUMENTATION

PI-100	P-100 Inlet pressure indicator (0-15 psi)
DPI-100	F-100/200 Differential Pressure Indicator (0-30 Diff Pres)
PI-200/300	P-100 Discharge pressure Indicator (0-160 psi)
PSL-100	P-200 Low suction pressure Shutdown Switch Low (6900GZE14 SET FALLING TO 25 PSI)
PI-200	P-200 discharge pressure Indicator (0-3000 PSI)
PSH-200	P-200 High discharge pressure Shutdown Switch High (6900GZE22 SET TBA)
PSV-200	Pressure Safety Valve (SET RISING TO TBA)
FT-200	1 ½ x 2 EZ-IN (2" 1500# RF) Turbine Flow Meter
FQI-200	Flow Totalizer MCIII EX
VSH-200	P-161 High Vibration Switch
LSL-200	P-161 Low Oil Level Shutdown

PIPING

All Pipe included in this package is Internally Coated with Devoe 253

Suction Piping: 3" 150#

- Includes 3" Basket strainer and Isolation valve on suction piping
- 3" Filter vessel isolation valves and 3" bypass valve circuit

Discharge Piping: 2" 900/1500#

- Manual startup bypass valve
- Isolation valve
- Check valve
- PSV and startup bypass valves outlet go back to main pump suction
- Drain valves to drain sump

Drain Piping to be 1" and will drain into open drain sump from:

- Basket strainer drain
- F-161 Filter vessel drain
- Suction piping between P-100/P-200
- Discharge piping
- P-200 stuffing box drain

Pump & Accessories

PIPING NOTES:

- Built to ASME B31.3 Latest Edition
- Discharge piping (900/1500#) to be sch. 160
- Suction (150# ANSI) piping to be sch. 40
- All Piping 10% NDT, no PWHT
- Internally coated
- Piping includes flanges for all instrumentation connections (No TOL's)
- All pipe/fittings/bolting/ linebacker gaskets materials to be standard

SKID & BUILDING

One (1) Surplus Never Used Skid and Building:

- 12' W x 18'L x 9' H Gable S
- Checker Plate Flooring
- 2" Drip Lip Around Skid
- Drain Sump
 - High Level Sump Switch
 - Filter, Suction and discharge piping, pump stuffing box area drain into sump
- Gable Style Building
- Ice Rakes
- Ridge Vent
- Choice of 12VDC start Catadyne heater OR 15Kw Electric Hazloc Heater
- Eavestroughs and Downspouts
- One (1) Double Man Door
- One (1) Single Man Door
- 3" Fire Retardant Spray Foam Under skid
- Insulation Insulated Skid
- There is no electrical included in this quote.

QA/QC DOCUMENTATION

Operation, Parts, Service and QA Manual provided with package c/w:

- Drawings include:
 - P&ID
 - GA Plan Elevation ISO
 - Structural Steel
- Pump Curves
- Installation and Operation manual
- Parts and service Manual for all equipment
- Data sheets for all equipment in package
- QC Manual from approved shop with ABSA - AQP
- AB-83
- UIA for Filter vessel and Pulsation stabilizers









Take a 3D walkthrough at <https://bit.ly/2rmbk7N>