STAINLESS STEEL VACUUM CONDENSATE PUMP SERIES SSVCRU

EXCEPTIONAL VALUE | EXTRAORDINARY QUALITY

STANDARD FEATURES

- 5000 – 65,000 EDR Capacities
- 2.6 to 36 CFM
- Cylindrical 304SS Receiver with Internal Accumulator Tank
- Investment Cast 304SS Pumps
- 304SS Orifice and Plate Housing
- NEMA 4/12 Control Panel

FABTEK SERIES SSVCRU

AVAILABLE OPTIONS

- Stainless Steel Pump Suction Isolation Valves
- High Temperature Limit Switch

FABTEK

775 Duvick Ave. Sandwich, IL
Phone: 630.552.3622 Fax: 630.552.8220

TYPICAL APPLICATION

The vacuum condensate pump serves two main functions in a steam heating system. The first function is to remove air from the steam lines thus allowing faster heat transfer throughout the system. The second is to remove condensate which also allows the system to function quickly.

The Fabtek Series SSVCRU vacuum condensate units are available in simplex and duplex configurations. Capacities range from 5000 EDR to 65000 EDR with pump discharge pressures available in 20, 30 and 40 psi ranges.

HOW IT WORKS

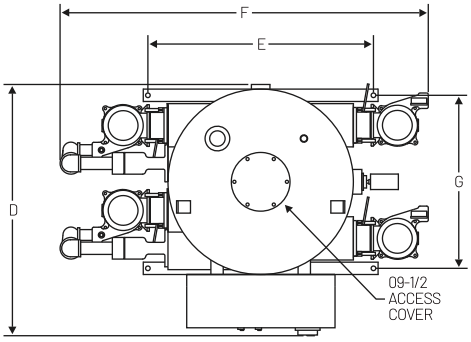
As condensate loads increase or there is a call for vacuum, the SSVCRU will automatically start. As the liquid level in the accumulator tank rises high enough to trip the float switch, the air pumps will activate thus removing the condensate from the accumulator tank and dumping the condensate into the hurling tank. The same process occurs when the vacuum switch is activated.

As condensate levels in the hurling tank increase, the mechanical alternator will activate one condensate pump. After each cycle the pumps will automatically alternate. If the condensate load is too much for one pump to handle the second condensate pump will be started simultaneously.

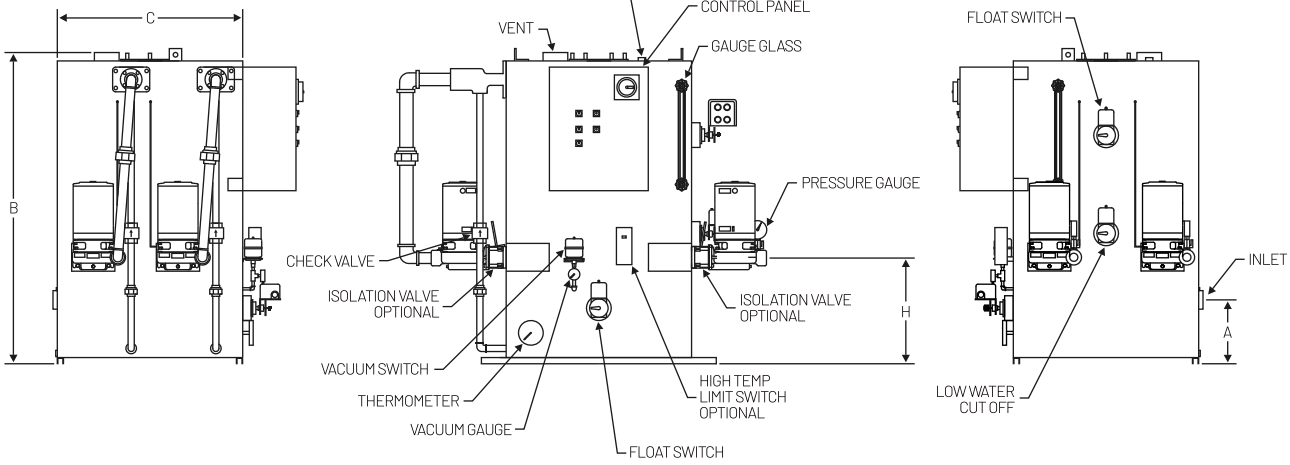
VACUUM PUMP SIZES		5	10	15	20	25	30	40	65
EDR		5000	10000	15000	20000	25000	30000	40000	65000
SIMULTANEOUS CAPACITY	WATER GPM	7.5	15	22.5	30	37.5	45	60	97.5
	AIR CFM	2.6	6.1	7.1	8.2	12.4	14.4	22	36
MOTOR HP AIR		3/4	1	1	1 1/2	2	3	3	5
WATER PUMP MOTOR HP	20 PSI	1/2	1/2	3/4	3/4	1	1	1 1/2	3
	30 PSI	3/4	3/4	1	1	1 1/2	1 1/2	2	5
	40 PSI	1	1	1 1/2	1 1/2	1 1/2	2	3	5
BTUM		1.2	2.4	3.6	4.8	6.0	7.2	9.6	15.6

Ratings are based on vacuum heating pump code of ASHRAE with 5.5 in HG at 160˚ F.

775 Duvick Avenue
Sandwich, IL 60548



TANK DIMENSIONS		
EDR	5,000-30,000	40,000-65,000
A	9	13.5
B	51	63
C	30	36
D	42	46.5
E	33	39
F	69	76.5
G	28	33
H	14	19
VENT	2" NPT	2 1/2" NPT
INLET	2 1/2" NPT	4" NPT



P: 630.552.3622 • F: 630.552.8220
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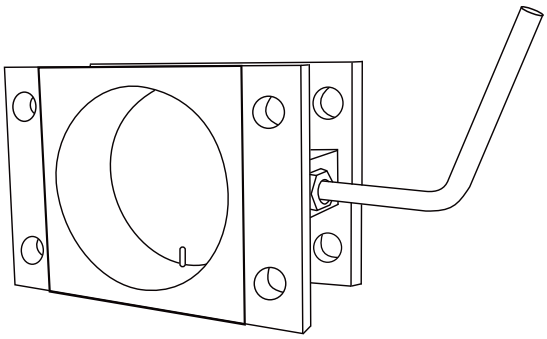
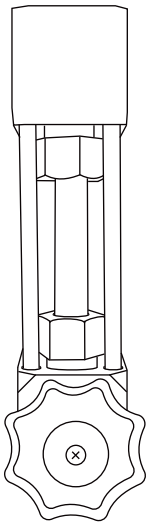
TANK ACCESSORIES

STAINLESS STEEL
PUMP SUCTION ISOLATION VALVE



STAINLESS STEEL
SIGHT GAUGE VALVE ASSEMBLY



FABTEK'S HISTORY

THE BEGINNING OF OUR BOILER SYSTEMS

Our company can trace its origins back to WWII. In the early 1940s, AERO Welding was founded in Aurora, IL in response to the war effort. They fabricated metal components for the Army Air Corps, which later became the US Air Force. After the war, AERO Welding hired returning soldiers as welders and fabricators as it transitioned into a more traditional metal fabrication business. Years later, the company was renamed Fabtek and continued to fabricate metal goods.

In 2002, we introduced our first line of stainless steel boiler products. The boiler industry had traditionally used carbon steel tanks and cast-iron pumps on their boiler systems. Often, they only last a few years due to the challenging operating conditions and corrosive nature of steam condensate from chemically treated and untreated feed water. By employing stainless steel construction, we can offer systems that last for many years more than the carbon steel systems provided by our competitors, all at a minimal expense.