Shippensburg Pump Company, Inc.

BOILER FEED • CONDENSATE • DEAERATOR • VACUUM

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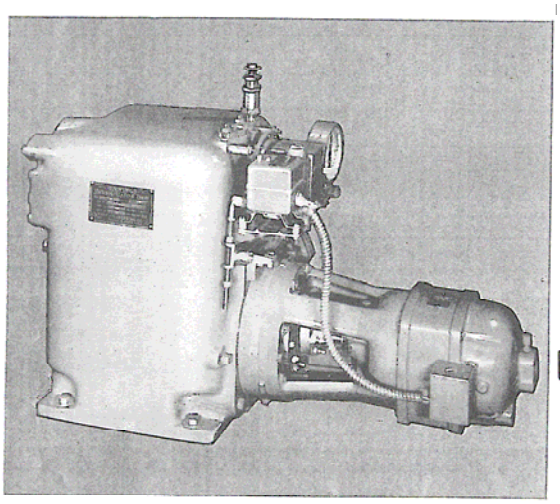
Re: Cross Matching Nash-Jennings Vacuum Units

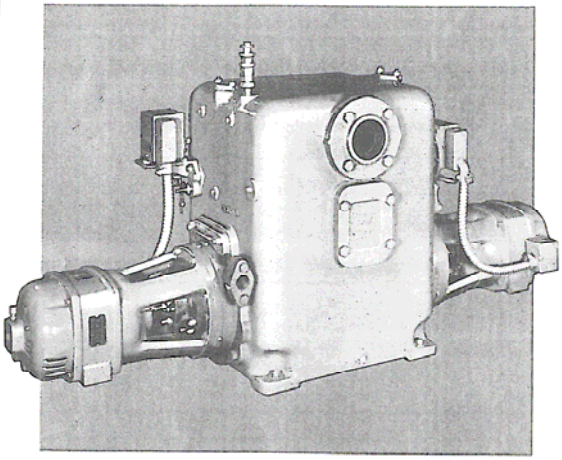
Many reps for various reasons seem to ignore opportunities to sell vacuum systems. Are you aware that Shipco® can easily cross-match many old Nash-Jennings vacuum pumps to equivalent Shipco® models?

Also, there are few remaining manufacturers of equivalent vacuum systems. Therefore in markets with steam heating, reps are missing out on a relatively easy opportunity to increase their sales.

Included below are pictures of some old Nash-Jennings units to help recognize them what a Nash-Jennings vacuum unit looks like. Feel free to call the Shipco® Sales Office for help to cross-match.



THIS SINGLE JENNINGS UNIT TYPE VACUUM HEATING PUMP IS SIMPLE, COMPACT AND ACCESSIBLE.



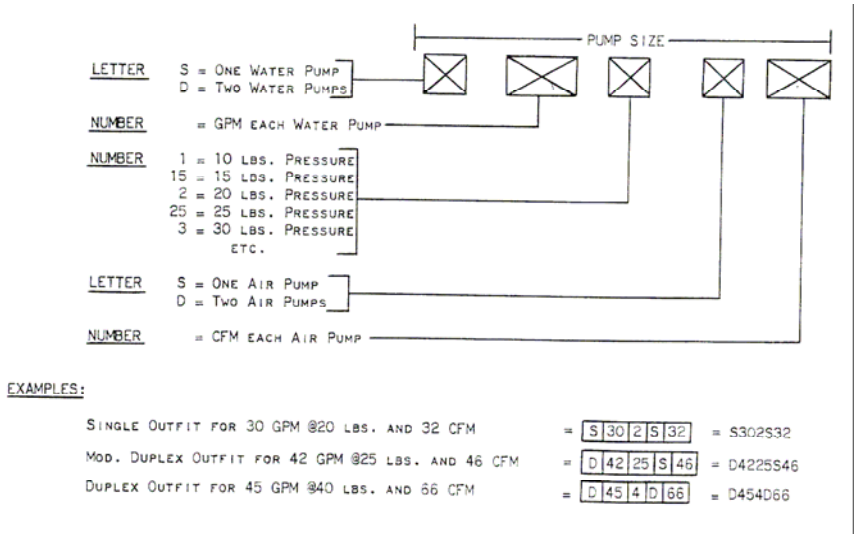
THIS DUPLEX JENNINGS UNIT TYPE VACUUM HEATING PUMP HAS EVERY FEATURE OF SERVICE AND ECONOMY.

Nomenclature for Nash-Jennings Vacuum Units:

The size of the Model is designated by a letter followed by:

- two numbers
- a second letter
- and a third number.

The first letter indicates either one or two water pumps. The first number indicates the water capacity in gallon per minute (GPM); the second number indicates the discharge pressure (psig). The second letter indicates either one or two air pumps. The third number indicates the air pump capacity expressed in cubic feet per minute (cfm). See the figure below for possible values and some examples.



Cross-Match Reference Tables:

Water and air capacities below are simultaneous at a temperature of 70°F on the following basis:

- Water is in U.S. gallons per minutes from 10 inches of mercury vacuum against the discharge pressure shown
- Air is in cubic feet per minute (cfm) of *dry* air measured at 10 inches of mercury vacuum.

The simultaneous water and air capacities below may also be stated at a temperature of 160 °F on the following basis:

- Water is in U.S. gallons per minutes from 5 ½ inches of mercury vacuum against the discharge pressure shown
- Air is in cubic feet per minute (cfm) of *saturated* air measured at 5 ½ inches of mercury vacuum.

Note: There is an exception. Where air capacity is shown below as 12 cfm at 10 inches of Mercury at 70 °F, use 12.6 cfm for 5 ½ Mercury at 160 °F.

RADIATION SQ. FT. E.D.R.	DISCH. PRESS. LBS.	PUMP NO.	3500 R.P.M. EQUIPMENT		
			SIMULTANEOUS CAPACITIES @ 70° F.		MOTOR H.P.
			WATER G.P.M.	AIR C.F.M.-10" Vac.	
2,500	20 30 40	12 13 14	3.8	2.8	¾ 1 1½
5,000	20 30 40	22 23 24	7.5	2.8	¾ 1 1½
10,000	20 30 40	32 33 34	15.0	5.7	1 1½ 2
15,000	20 30 40	42 43 44	22.5	5.7	1 1½ 2
20,000	20 30 40	52 53 54	30.0	9.7	2 3 3
25,000	20 30 40	62 63 64	37.5	9.7	2 3 3
30,000	20 30 40	72 73 74	45.0	9.7	3 3 3
40,000	20 30 40	82 83 84	60.0	12.0*	3** 5 5

*At 160° F. and 5½ in. vacuum the capacity is 12.6 C.F.M. saturated air.
** 1750 R.P.M.

SPECIAL CAPACITY EQUIPMENT

RADIATION SQ. FT E.D.R.	DISCH. PRESS. LBS.	PUMP NO.	3500 R.P.M. EQUIPMENT		
			SIMULTANEOUS CAPACITIES @ 70° F.		MOTOR H.P.
			WATER G.P.M.	AIR C.F.M.-10" Vac.	
2,500	20	N12	4.5	3.0	¾
to	30	N13			1
4,000	40	N14			1½
5,000	20	N22	9.0	6.0	1
to	30	N23			1½
8,000	40	N24			2
9,000	20	N32	14.0	9.0	1½
to	30	N33			2
12,000	40	N34			3

Pumps for ratings to 400,000 Sq. Ft. E.D.R. are available in other types of equipment. Pumps are also available for higher water and air capacities, higher pressures and vacuums, and other electric current characteristics. Consult Nash Representative.