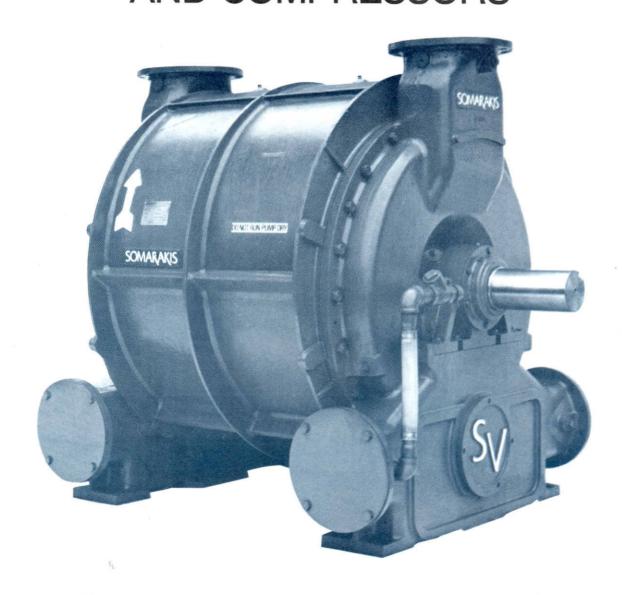
## SOMARAKIS™ SV™ LIQUID RING VACUUM PUMPS AND COMPRESSORS



Designed Maintenance Tough

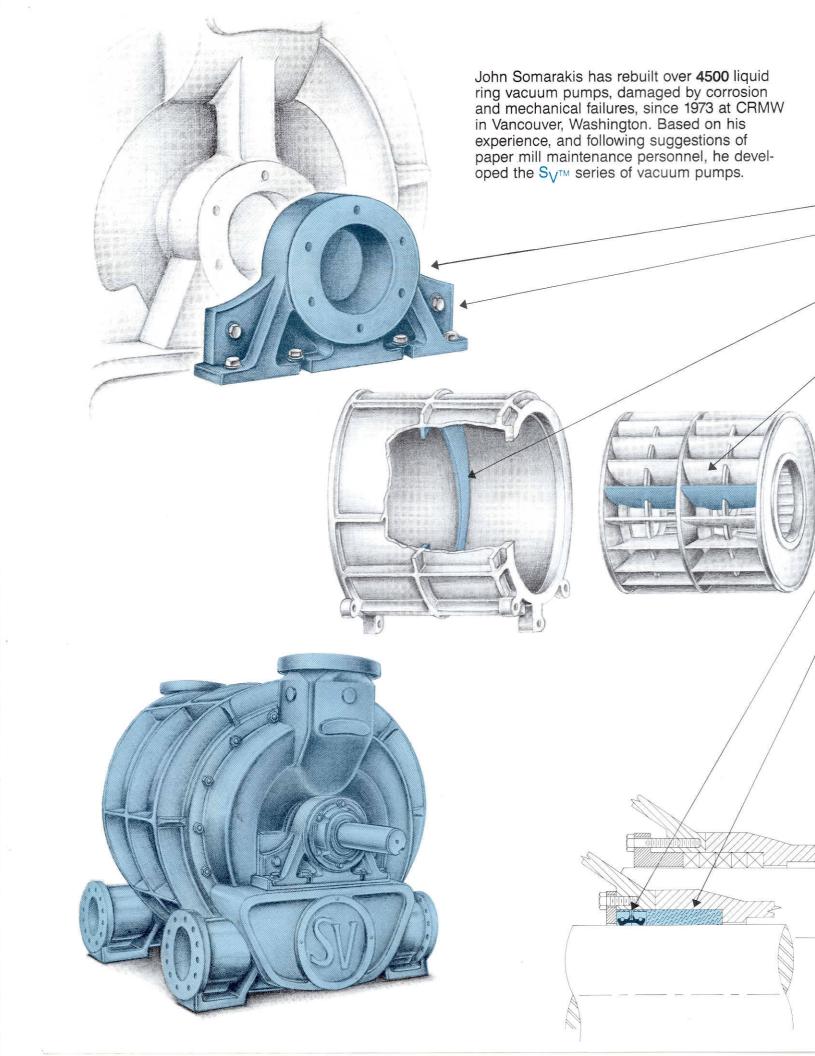


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Comparison of SOMARAKIS $S_V$ and Nash $^{\circ}$ Pumps	SOMARAKIS S <sub>V</sub>	NASH CL	NASH 904™	
BELT DRIVE CAPABILITY	X	Χ	Х	
GEAR DRIVE CAPABILITY	×	X		
CAST STEEL BEARING HOUSINGS	X			
REMOVABLE BEARING ASSEMBLIES •	X		X	
SHROUDED BODIES STANDARD	X	Χ		
20 VANE ROTORS A	X		X	
DIMENSIONALLY INTERCHANGEABLE	×	Х		
PARTS INTERCHANGEABLE BETWEEN SERIES	X	X		
PUMPS TESTED BEFORE SHIPMENT	X	Х	X	
SPLIT LIP SEALS INSTEAD OF PACKING	X			
SECONDARY BEARINGS	X			
CHOICE OF THREE OUTLETS EACH END	X	Х		
MANUFACTURED EXCLUSIVELY IN U.S.A.	X			

- REMOVABLE BEARING HOUSING ON SV-2023 AND LARGER MODELS
- ▲ 16 VANE ROTORS ON SV-1211 AND SMALLER MODELS

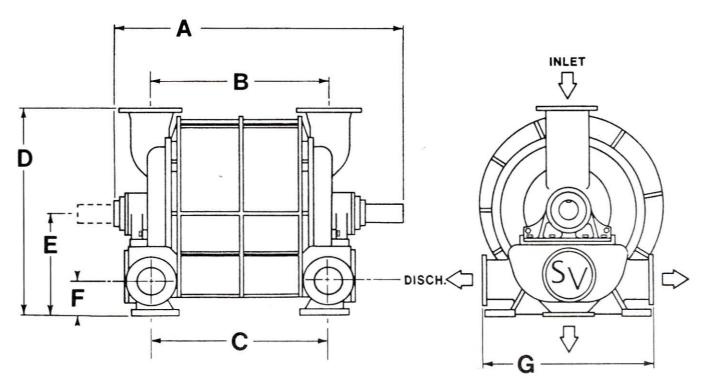
  THREE OUTLETS ON SV-3028 AND LARGER MODELS

SOMARAKIS Sy liquid ring vacuum pumps provide six important mechanical improvements:

- Unlike cast iron, cast steel bearing housings will not crack as the result of a bearing failure or when subjected to excessive upward thrust because of start-up with the pump body full of water.
- 2) Removable bearing assemblies can be rebuilt or repaired, without pump disassembly, should bearings seize and spin within the housing.
- 3) **Shrouded pump bodies** operate at greater efficiency than do pumps having straight walled cylinders. Shrouds also permit dual vacuum service from one pump.
- 4) 20 vane rotors move air more efficiently than do 16 vane rotors.
- 5) Patented seal arrangement, split to facilitate installation, is vacuum evacuated to prevent leakage of seal water. Conventional packing is not required.
- 6) In the event of bearing failure the **secondary bearing**, located within the seal area, will support the shaft and prevent the cone from coming in contact with and destroying both cone and rotor.

SV vacuum pumps are manufactured in Vancouver, Washington in cast alloys including iron, 3% nickel iron, 22% nickel iron, 304L stainless steel and 316L stainless steel. All of the components of SV pumps, regardless of materials of construction, are manufactured in the United States.

SOMARAKIS Design Improvements Add Years to the Life of Pumps Used for Increasingly Severe Service



SOMARAKIS Vacuum Pumps	Comparable Nash Sizes	Connections Inches		Installation Dimensions Inches						
		Inlet	Disch	Α	В	С	D	E	F	G
SV-808	CL-200	THD 1-3	THD 1-21/2	25	12	12	1-173/8	61/4	45/8	C.L. 6½
SV-1212	CL-400	3	21/2	351/2	175/8	175/8	19	9	5	C.L.
SV-1414	CL-700	4	3	403/8	211/4	211/4	221/2	10	5	C.L. 10
SV-1818	CL-1000	5	4	47 <sup>7</sup> /8	26¾	263/4	26	12	75/8	C.L. 12½
SV-2023	CL-1500	6	4	541/2	291/8	291/8	317/8	14	9	C.L. 16 <sup>15</sup> / <sub>16</sub>
SV-2523	CL-2000	6	5	595/8	35¾	35¾	36	17	83/8	30
SV-3028	CL-3000	8	6	68	401/2	411/2	44	21	7	35
SV-3633	CL-4000	10	8	80¾	51¾	501/4	49	25	85/8	401/2
SV-4440	CL-6000	12	10	95	561/4	561/4	661/4	33	11	531/2
SV-5348	CL-9000	14	12	95	611/2	611/2	81	40	14	64
SV-5372	CL-14000	18	14	127	90	90	82	40	191/2	64

## SOMARAKIS SV Vacuum Pumps Are Dimensionally Interchangeable with the Nash CL Series.

## SOMARAKIS

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