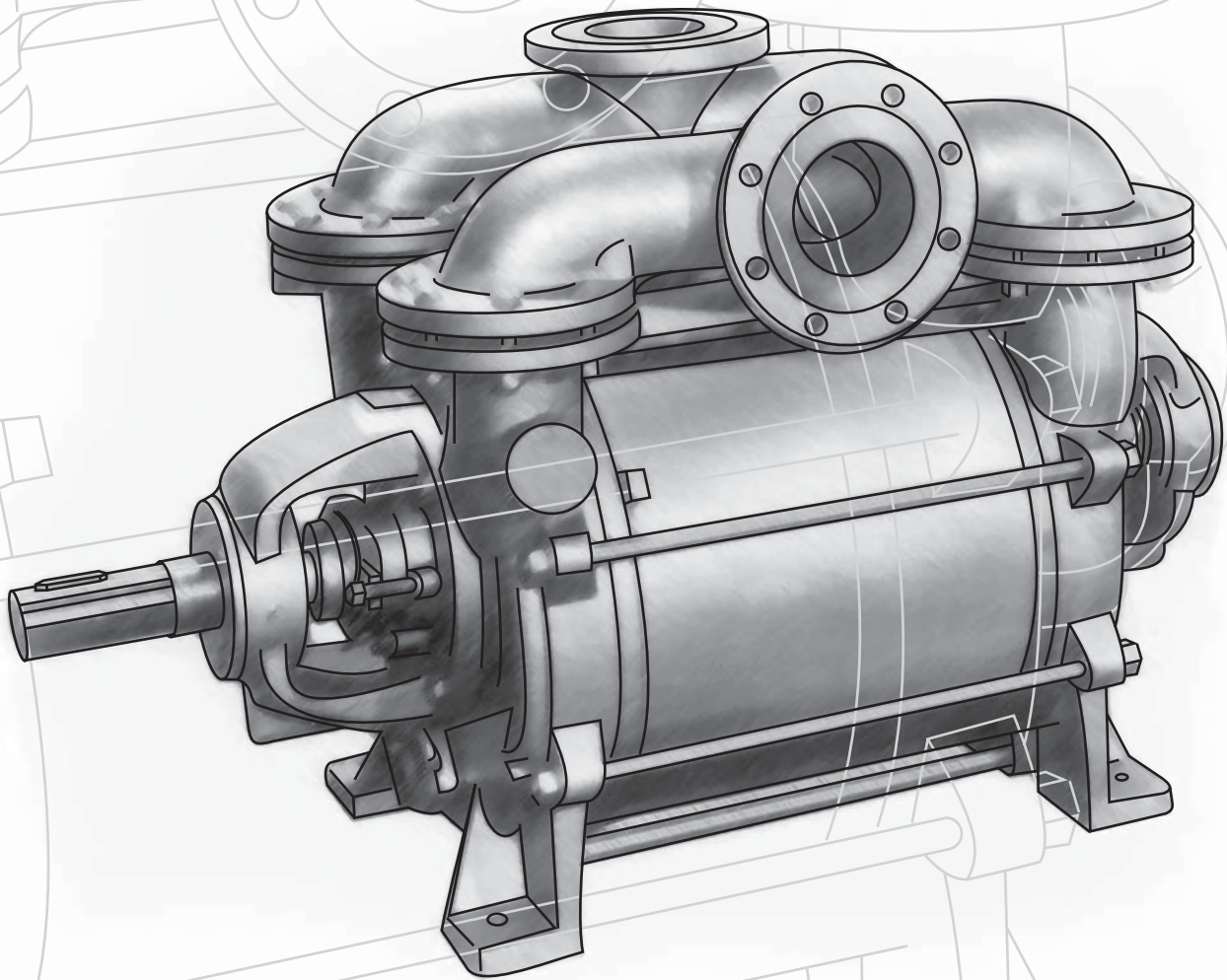




**POMPES ANNEAUX LIQUIDES**  
**LIQUID RING PUMP**

**ASYBCO**



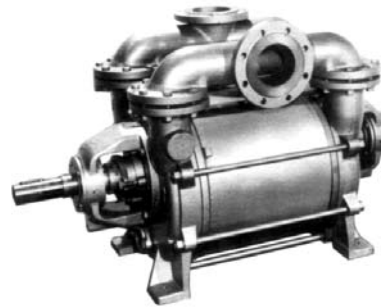
# LIQUID RING VACUUM PUMPS

SIHI



## SERIES KPH .70530

Speed RPM	5 PSIG 34.5 kPa		10 PSIG 69 kPa		15 PSIG 103.4 kPa		20 PSIG 137.9 kPa		22 PSIG 151.7 kPa	
	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP
1175	766	46.0	766	61.0	730	76.0	645	90.0	618	94.0
975	665	34.0	630	47.0	545	60.0	-	-	-	-



## SERIES KPH .70540

Speed RPM	5 PSIG 34.5 kPa		10 PSIG 69 kPa		15 PSIG 103.4 kPa		20 PSIG 137.9 kPa		22 PSIG 151.7 kPa	
	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP
1 175	1 030	60	1025	85	980	105	860	125	795	137
975	895	45	860	65	795	85	-	-	-	-



## SERIES LPH .80557

Speed RPM	5 PSIG 34.5 kPa		10 PSIG 69 kPa		15 PSIG 103.4 kPa		20 PSIG 137.9 kPa		22 PSIG 151.7 kPa	
	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP
715	1 995	105	1 925	145	1 755	180	1 575	202	1 420	207
680	1 875	90	1 820	130	1 660	160	1 450	184	1 350	189
575	1 525	66	1 365	95	1 120	120	765	138	600	140

# LIQUID RING VACUUM PUMPS

Travaini



Pump Model	Vacuum in Inches Hg.			4		8		12		16		20		24		25		26		Service Liquid Flow USGPM (2)
	Abs. Press. Inches Hg.			25.92		21.92		17.92		13.92		9.92		5.92		4.92		3.92		
	Abs. Press. in mm Hg.			658		557		455		354		252		150		125		100		
	FLG Size	Pump RPM	Motor HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	
TRS 50-220	2"	1750	10	152	6.6	156	7.1	158	7.5	158	8.0	152	8.5	125	8.8	110	8.8	90	8.8	6.2
TRS 50-250	2"	1750	15	187	8.0	187	9.0	187	9.2	187	11.2	182	11.8	140	13.5	120	14.0	-	-	6.2
TRS 65-330	2 1/2"	1750	20	250	11.5	250	12.5	250	14.7	250	14.8	246	15.7	200	16.8	180	17	-	-	6.9
TRS 65-410	2 1/2"	1750	25	310	16	310	17	310	17.6	310	18	295	18.4	220	20.2	190	20.3	-	-	8.8
TRS 100-550	4"	1450	20	303	11.4	312	13.3	321	15	324	16.3	312	17.7	277	18.8	262	18.9	235	18.9	8
		1750	25	374	16.3	377	18.6	380	20.4	383	21.5	377	22.6	341	23.2	327	23.5	300	23.8	8
TRS 100-700	4"	1450	25	406	18.8	424	20.4	430	22	430	23	412	23.1	353	23.1	324	23.1	274	23.1	8.8
		1750	40	488	20.9	494	23.2	500	25.8	500	27.7	488	29.6	441	30.4	412	30.6	359	30.6	8.8
TRS 100-980	4"	1150	30	430	17	430	20	430	23	430	24	380	25.3	265	26.5	190	27	-	-	14
		1450	40	578	26.5	578	29.5	578	31.5	578	33	545	34.3	410	35.6	290	36	-	-	17
		1750	50	700	40	700	41	700	42	700	44	675	46.3	485	48.7	460	49	-	-	20
TRS 125-1250	5"	880	40	560	30	565	32	577	35	588	36	568	38	450	38	400	38	-	-	16
		975	50	735	34.8	735	37.5	735	38.9	735	40.2	706	41.5	647	42.9	550	43	-	-	17
		1150	60	825	53	820	54	812	55	810	56	790	58	675	58	600	58	-	-	19
TRS 125-1550	5"	880	50	730	40	732	42	742	46	765	48	760	50	540	50	470	50	-	-	16
		975	60	915	48	915	50	915	52	915	53	910	54	770	55	690	55	-	-	18
		1150	75	1060	70	1060	72	1060	73	1060	74	1050	76	820	75	750	75	-	-	21

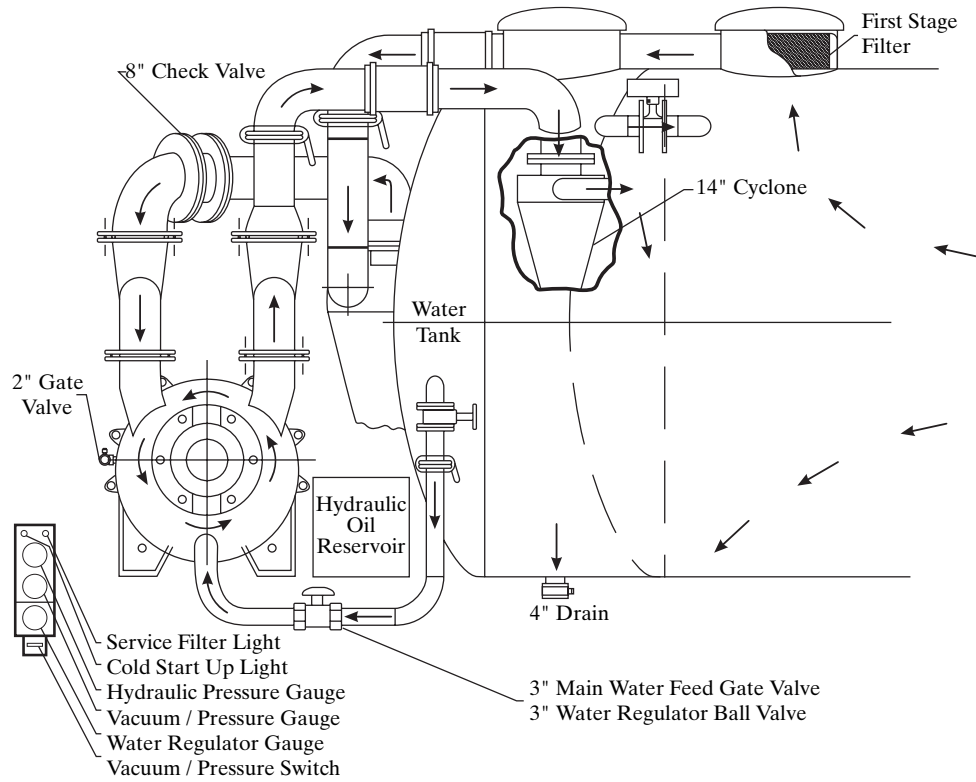
SIHI TRAVAINI



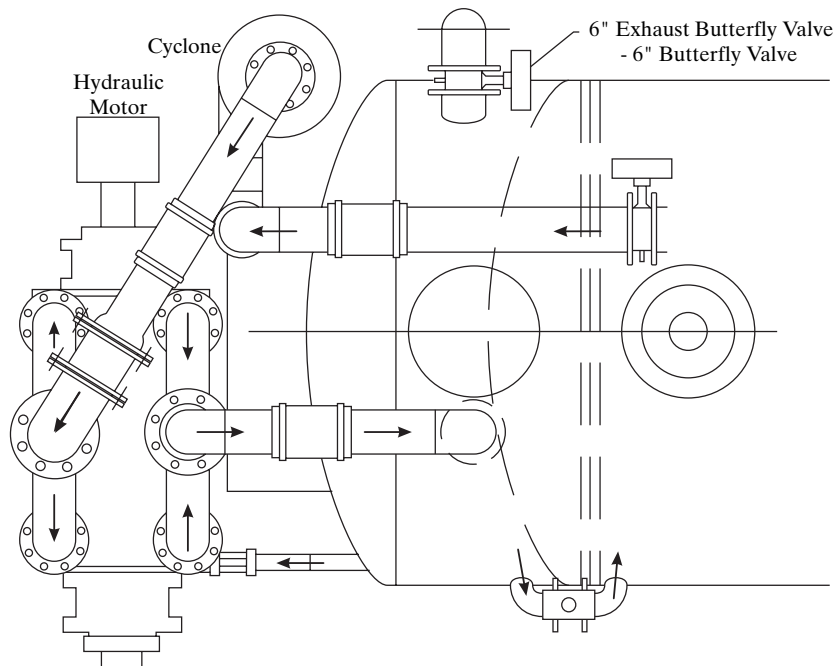
# VENTILATION SYSTEM

For Liquid Ring Pump

## SIDE VIEW



## TOP VIEW



# ASYBCO

# OPERATING PROCEDURES



For Ventilation system

## PRESSURE PROCEDURE

- Follow same steps as vacuum procedure 1 to 5 (see below).
- Run pump just fast enough to generate required pressure.
- Maximum continue pressure in tank should not exceed 15 PSI.

Do not trust relief valve to vent excess pressure (it could be frozen or plugged with dirt).

Do not change from vacuum to pressure with vacuum in tank and vacuum pump running.

Do not let pressure out of tank by moving selector lever over from pressure to vacuum.

### Note

Pump when working as a compressor can generate in excess of 25 PSI in tank. Do not leave pump running unattended.

## RECOMMENDED MIXTURES FOR OPERATION BELOW 15° F

45 Gallon Antifreeze	-100 gallons water
30 gallon Methanol	-150 gallons water
45 gallon Diesel Fuel	-150 gallons light hydraulic oil
Furnace Oil	-150 gallons light hydraulic oil
Stove Oil	-150 gallons light hydraulic oil
Varsol	-150 gallons light hydraulic oil

## VACUUM PROCEDURE

For Liquid Ring Pump

1. Open 2" valve on water tank to maximum.
2. Move control lever upward to start vacuum pump turning.
3. Engage air throttle. (Engine should run 1100 RPM maximum).
4. Now admit water to vacuum pump by slowly opening the ball valve with the red handle. The amount of water let into the pump by this valve is crucial to the correct operation of the vacuum pump. Too much water causes high power consumption and too little water will give poor vacuum or air flow.
5. The vacuum pressure gauge located beside the flow control valve is the water flow monitor, if pressure shows on the gauge when the pump is running, too much water is entering pump. To remedy close down the flow valve a little bit. If vacuum shows on gauge when pump is running, too little water is entering pump. To remedy open valve a little bit.

### Note

Vacuum pump is operating at best condition when gauge on water inlet shows 0 no vacuum - no pressure.

Pump will demand more water flow as vacuum in main tank builds up.

Clean and flush water tank regularly when doing dry dusty materials. Clean and check pump strainer after every load of dry materials or once a day when doing regular work.

### To Stop System

Leave pump running, shut off water first. Then stop vacuum pump

# ASYBCO