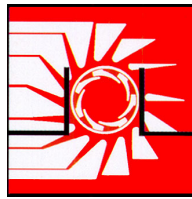


SAO Series Liquid Ring Compressor



TRAVAINI

PRESSURE RANGE : 30 to 150 PSIG
CAPACITY : 38 to 106 CFM

FEATURES : Double acting liquid ring compressor providing oil free clean air. No internal lubrication required, air is free from carbon and teflon particles, no filter required, clean incoming air is scrubbed with water removing most dust particles; No reciprocating pistons and valves which reduces maintenance. Low vibration and low noise level, low starting torque; Re-greasable bearings

SHAFT SEALING : Mechanical seal

OPTIONS : Bareshaft compressor - Coupled to electric motor on baseplate - Mating flanges


ACCESSORIES : (Optional) Intake silencer, discharge Air-liquid separator tank, non-return valve, pressure relief valve, pressure gauge; Piped service liquid line with isolating valve, Y-strainer, 1/60/120 solenoid valve, back-flow preventer, flow switch, regulating valve and compound gauge



TECHNICAL DATA

PUMP TYPE		SAOE3U		SAOG2D		SAOG2G	
Speed	RPM	2900	3500	2900	3500	2900	3500
Motor - installed power	HP	20	25	25	30	30	40
Avg. service liquid flow	GPM	4.0	4.5	4.5	6.5	7.0	8
Noise level at 80 PSIG	dB(A)	65	67	68	70	68	70
Max. discharge pressure	PSIG	155	155	155	155	155	155

MODEL DESIGNATION

SAO G 2 G / C - GH	
SA	Double acting liquid ring compressor
O	Design number
G	E = 32 mm diameter flange size - 1 1/4" G = 50 mm diameter flange size - 2"
2	2 = number of stages 3 =
G	D = 60 mm G = 90 mm U = 46 mm  Dimensions impeller 1 st stage
C	Shaft sealing C = Mechanical seal B = Packing seal
GH	Materials of construction (see table)

Standard Materials of Construction **				
Part No.	Description	GH	RA	A3
106	Suction casing	Cast iron		Stainless steel AISI 316
107	Discharge casing			
137	Port plate			
110	Impeller housing			
210	Shaft	Stainless steel AISI 420		
357	Bearing housing	Cast iron		
230	Impeller	Bronze	Stainless steel AISI 316	

**Special Materials Available Upon Request

-Request information on our fully engineered air compressor and vacuum systems

-For further information please consult Premier Fluid Systems Inc.



Premier Fluid Systems
Canadian Home Of Travaini Pumps

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