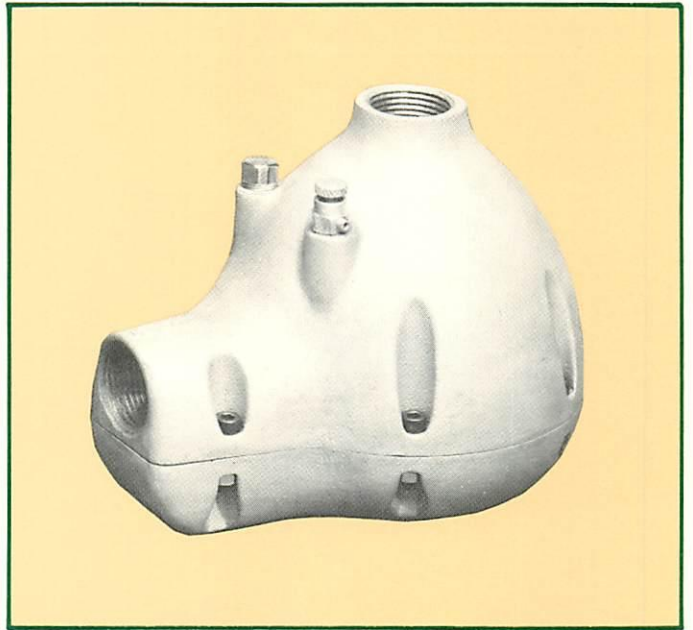


Automatic Drain Traps



SAC120



SAC100

INTRODUCTION

In any compressed air system, the condensate and oil which accumulates in separators, receiver tanks and filters must be ejected to prevent it from entering compressed air lines. The removal of this contaminant ensures more efficient operation of all pneumatic equipment. Hiross automatic traps have been specifically designed for compressed air applications and are not simply modified steam traps. These drain traps are designed and built to provide continuous and reliable operation with the absolute minimum maintenance.

RELIABLE OPERATION

The SAC 100 and SAC 120 are float type drain traps with a lever action designed to provide a high closing pressure against the valve seat while at the same time providing positive opening when the float reaches the discharge level. Condensate is discharged from within the drain trap using an exclusive method which prevents the build-up of solid particles on the discharge valve seat.

UNIQUE BLOWDOWN FEATURE

An internal bypass which is operated by an external hand valve enables the lower chamber and the orifice to be flushed out manually while the drain trap is in service.

OPTIONAL VENT

The Hiross traps are provided with a $\frac{1}{4}$ " connection for an external balancing pipe. An internal vent adaptor is also available as an option. While not essential, internal or external venting of the traps eliminates the possibility of air locks during normal use.

CONSTRUCTION

Model SAC 100 and SAC 120 traps are constructed with a high grade, die-cast aluminum body capable of withstanding pressures up to 230 PSIG. The float and lever mechanism are made of non-corrosive materials. Bypass valve seats and 'O' rings are made of a special material resistant to both mineral and synthetic lubricants. For higher pressures and special applications the SAC 100 drain trap is available with a steel or stainless steel body.

SELECTION

The $\frac{1}{2}$ " SAC 120 is recommended for systems up to 500 cfm (230 PSIG max). The 1" SAC 100 is recommended for systems above 500 cfm (230 PSIG max).

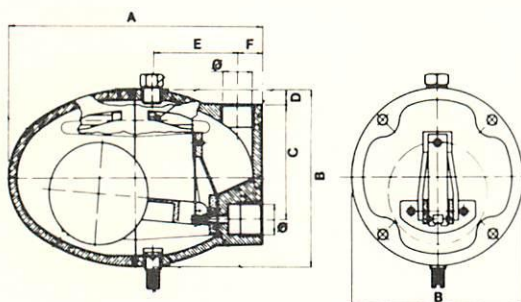
Dimensions & Capacities

CONDENSATE DISCHARGE CAPACITIES GALLONS/HOUR

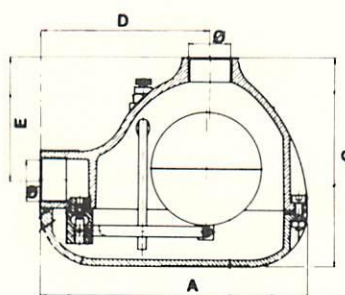
WORKING PRESSURE PSI	25	50	75	100	125	150	175	200	230
MODEL SAC120BAOO	63	89	112	128	142	156	170	180	190
MODEL SAC100BAOO	90	123	148	168	185	200	215	230	240

MODEL	MAXIMUM WORKING PRESSURE*	BODY MATERIAL	WEIGHT (LBS.)	DIMENSIONS — INCHES						
				Ø	A	B	C	D	E	F
SAC 120BAOO	230 PSIG	ALUMINUM	1.9	½" FPT	6.1	4.1	2.7	.33	2.0	.59
SAC 100BAOO	230 PSIG	ALUMINUM	4.2	1" FPT	7.9	5.8	6.0	5.0	3.6	—

*Consult factory for higher working pressures (up to 1010 PSIG).

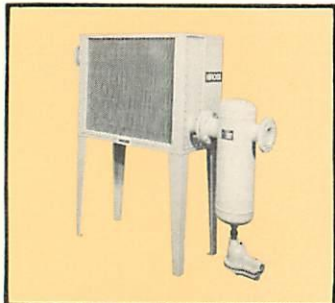


SAC 120

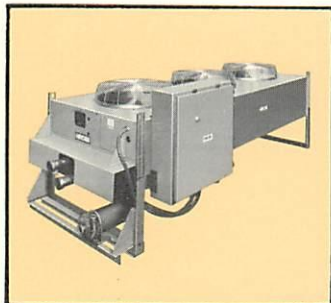


SAC 100

Other HIROSS Products:



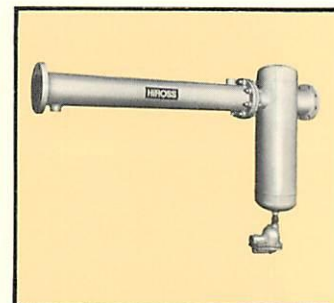
AIR COOLED AFTERCOOLERS



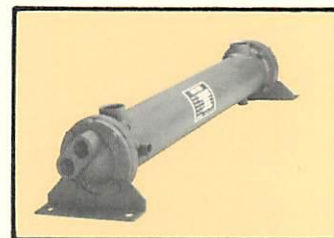
CLOSED LOOP WATERCOOLERS



FILTERS & SEPARATORS



WATERCOOLED AFTERCOOLERS



OIL COOLERS