

Air-Cooled Aftercoolers

THE NEED FOR AFTERCOOLING

Hot compressed air leaving a compressor contains high quantities of water in the form of vapor. A typical example would be a 1000 SCFM compressor working at 100 PSIG which would transmit to the downstream pipeline more than 30 gallons of water during a normal working day. By using an efficient aftercooler, over 20 gallons per day can be extracted before it passes into the system, greatly reducing condensation and maintenance problems.

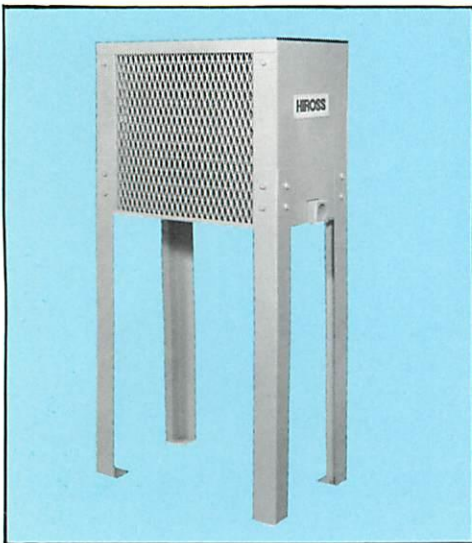
CONSTRUCTION

Hiross aircooled aftercoolers are constructed from copper tubes with external aluminum fins over which atmospheric air is blown by an axial fan. The compressed air flows in a multiple pass through the tubes to provide maximum cooling combined with minimum fan motor horsepower. Heavy duty construction provides a long and trouble-free life.

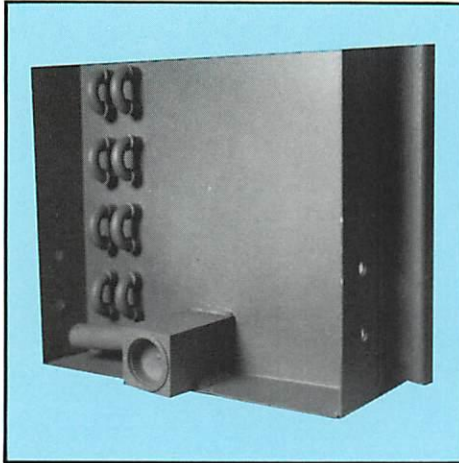
All Hiross units have a maximum working pressure of 230 PSIG.

Fan motors are UL listed and fan guards conform to OSHA standards.

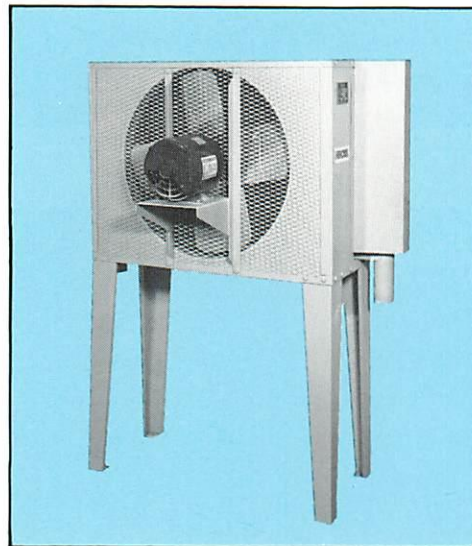
SMALL RANGE A005 - A050



Designed specifically to provide maximum cooling for air compressors in the 5 HP through 40 HP range. These extremely compact units are ideal for packaging and feature rigid air in/out connections to withstand compressor vibrations and heavy torquing during installation. Standard fittings are legs, fan guards, coil guards, internal fan and motor.

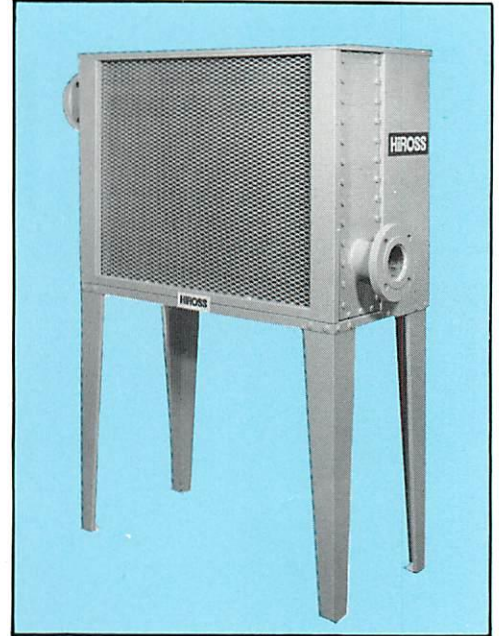


MID-RANGE A080 - A160

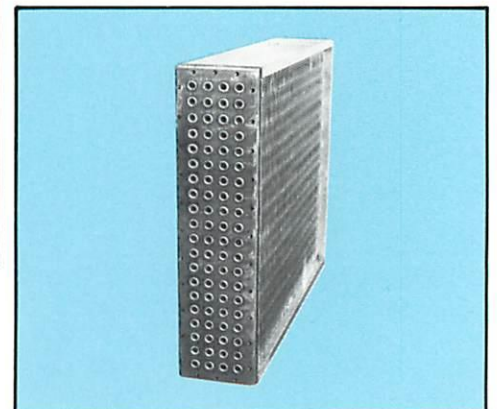


Featuring all-brazed headers, these units are designed for reliable continuous duty with compressors in the 50 HP through 125 HP range. Heavy duty legs, header covers and external TEFC fan motor is standard. Air connections are NPT on heavy gauge steel pipe.

LARGE RANGE A200 - A750



For large, continuous duty compressors in the 150 HP and above range. These Hiross coolers are ruggedly designed for heavy duty applications. Copper tubes Tungsten Inert Gas (TIG) welded to steel plate tube sheets. Removable steel channels allow the tubes to be internally cleaned and heavy ANSI flanges provide stable air connections capable of supporting the matching separators. Low noise fan(s) is driven by externally mounted TEFC motor(s).



TIG WELDED TUBE TO TUBE SHEET - LARGE RANGE

Industry's Quality Leader

STANDARD FEATURES: BENEFITS:

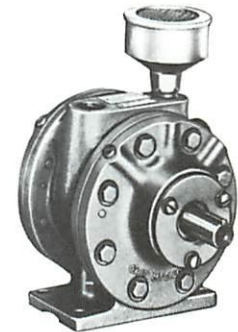
Compact Size — Small Range
 Fractional HP Fan Motors
 Rigid Connections — All Models
 OSHA Fan Guard and UL Motors
 Covered Headers
 TEFC Motors — Mid/Large Range
 Brazed Headers — Mid Range
 Tig Welded Tubes — Large Range
 Flanged Connections on Large Range
 Removable End Covers — Large Range
 All Steel Cabinets
 230 PSIG Design

Easy to Install and Package
 Low Energy Consumption — Savings on Operating Costs
 No Flex Connectors Needed to Validate Warranty
 Meets or Exceeds all Safety Regulations
 User Safety and Protection for Header Tubes
 Outdoor Usage
 Rigid Construction — Long Service Life
 Rugged Construction — No Downtime
 Designed for Adverse Industrial Conditions
 Cleanability
 Long Life/Durability
 Broad Standard Range — Diversified Applications

OPTIONAL ACCESSORIES: Air motors are available for all models.
 Consult factory for assistance.

Connector kits, separators, and drains
 are also available and in stock to complete
 your aftercooler package.

Low ambient control packages available.
 Consult factory for assistance.



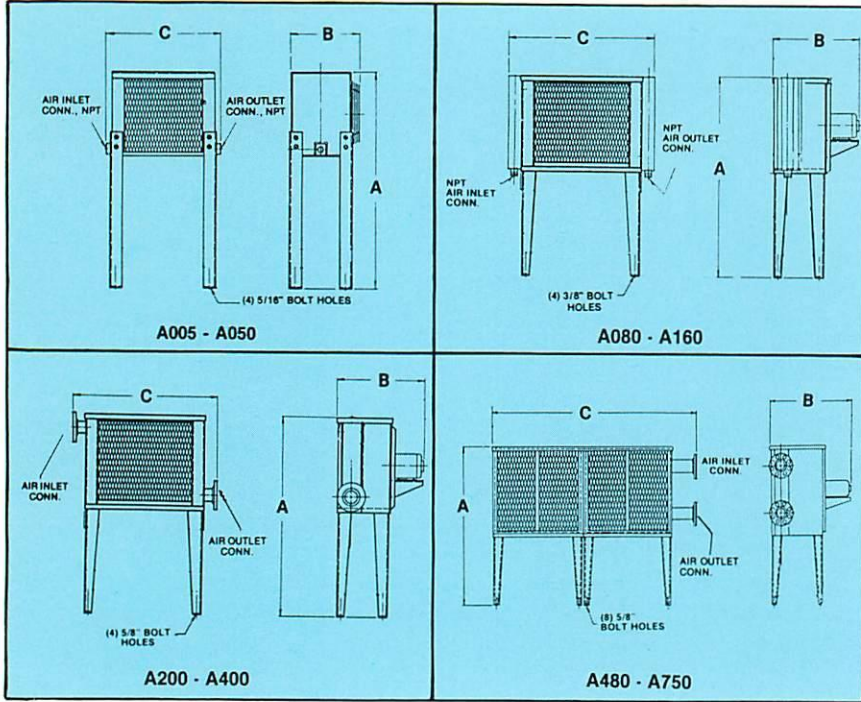
AIR MOTOR WITH MUFFLER

SELECTION REFERENCE CHART

Compressor Horsepower	Aircooled Aftercooler Model No.	Capacity SCFM	Fan HP	Aftercooler Air Inlet/Outlet Connections	Recommended Separator	Recommended Drain Trap
5 - 7½	A00500B00	30	1/20	1" NPT	S01CB0H0	SAC120BA00
10 - 15	A01000B00	50	1/20	1" NPT	S01CB0H0	SAC120BA00
20 - 25	A02000B00	100	1/20	1½" NPT	S01CB0H0	SAC120BA00
30	A03000B00	125	1/20	1½" NPT	S02CB0H0	SAC120BA00
40	A0500TB00	210	1/8	2" NPT	S02CB0H0	SAC120BA00
50 - 75	A0803T000	300	1/4	2" NPT	S03CB0H0	SAC120BA00
100	A1203T000	590	3/4	2½" NPT	S04HAMH0	SAC120BA00
125	A1603T000	670	3/4	2½" NPT	S04HAMH0	SAC120BA00
150	A2003T000	800	3/4	2½" FLG-150#	S04HAMH0	SAC120BA00
200	A2403T000	1000	1 1/2	3" FLG-150#	S4AHAMH0	SAC120BA00
250	A3203T000	1250	1 1/2	3" FLG-150#	S4AHAMH0	SAC120BA00
300	A4003T000	1500	1 1/2	4" FLG-150#	S05HAMH0	SAC120BA00
350	A4803T000	2000	2 @ 1 1/2	5" FLG-150#	S06HAMH0	SAC120BA00
400	A6403T000	2500	2 @ 1 1/2	5" FLG-150#	S06HAMH0	SAC120BA00
700	A7503T000	2800	2 @ 1 1/2	5" FLG-150#	S06HAMH0	SAC120BA00

NOTE: — Maximum working pressure 230 PSIG. Consult factory for other pressure requirements.
 — Capacities are based on SCFM at 100 PSIG and a compressed air inlet temperature of 250°F cooled to within 15°F of ambient temperature.
 (See Selection Chart in catalog for other operating conditions)
 — Models A00500B00 through A03000B00 are 115/1/60. (ODP)
 Model A0500TB00 is 115/230/1/60. (TENV)
 Models A0803TB00 through A7503T000 are 230/3/60. (TEFC)
 Other power variations available upon request. Consult Factory.
 — Recommended separators S04HAMH0 and larger are rated @ 200 PSIG M.A.W.P. Consult factory for higher pressures.

Dimensions

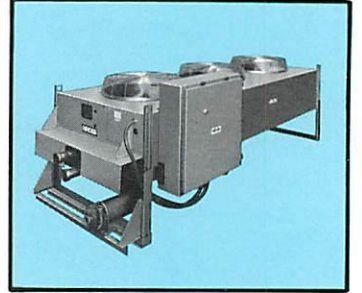


Model	Dimensions [Inches]			Air In/Out	Wt. [Lbs.]
	A	B	C		
A00500B00	34.2	11.5	18.5	1" NPT	39
A01000B00	34.2	11.5	18.5	1" NPT	42
A02000B00	42.5	14	22.5	1 1/2" NPT	58
A03000B00	42.5	14	22.5	1 1/2" NPT	60
A0500TB00	46.0	16.4	26.4	2" NPT	90
A0803T000	57.0	22.9	41.0	2" NPT	215
A1203T000	62.2	27.3	48.0	2 1/2" NPT	325
A1603T000	62.2	27.3	50.0	2 1/2" NPT	345
A2003T000	78.2	37	56.0	2 1/2" FLG	550
A2403T000	78.2	38	56.0	3" FLG	600
A3203T000	78.2	38	56.0	3" FLG	700
A4003T000	78.2	38	56.0	4" FLG	750
A4803T000	78.2	38	99.9	5" FLG	1400
A6403T000	78.2	38	101.7	5" FLG	1500
A7503T000	78.2	38	101.7	5" FLG	1600

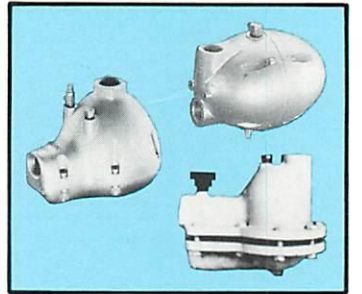
Other HIROSS Products:



FILTERS



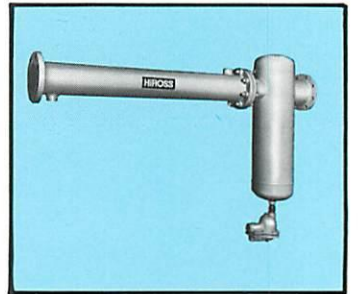
CLOSED CIRCUIT WATERCOOLERS



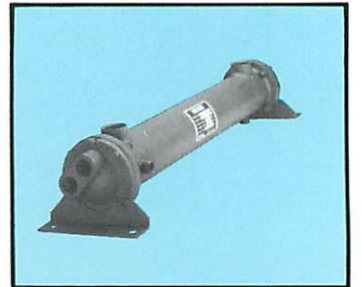
DRAIN TRAPS



SEPARATORS



WATERCOOLED AFTERCOOLERS



OIL COOLERS