SS Series

Oil Coolers

Features

OMT air/oil heat exchangers have been designed to use on the return line of hydraulic systems.

The special structure of the cooler element in alu-alloy increases the conductivity quality, and the brass welding process of the conduits allows a high thermic exchange and a good resistance to pressure, obtained by using qualified materials.

Materials

Fan	Steel or hard plastic
Fan case	Steel
Fan protection	Steel or hard plastic

Radiating Mass Data

Material	Aluminium
Nominal Pressure	25 bar
Test Pressure	35 bar
Maximum Temperature	120°C

Fluid Compatibility

Mineral oils, hl, hlp, water-oil emulsion

Installation

We recommend to install a by-pass valve in parallel to the heat exchanger, for its protection during start up. Ensure there are no obstacles to the air flow.

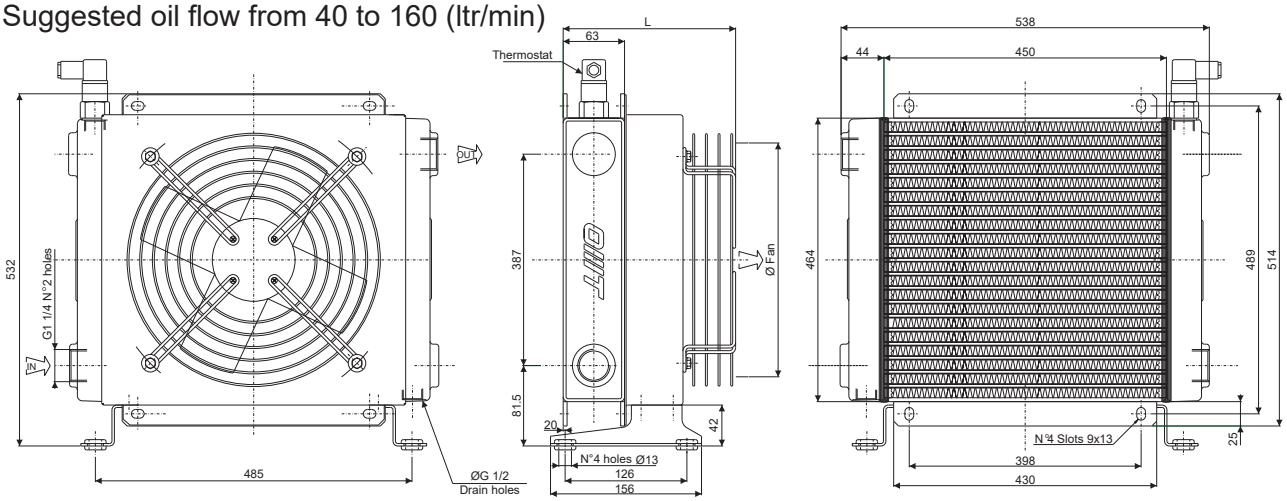
SS40 Series

Oil Coolers

Technical Features

Type	Frequency Hz	Voltage V	RPM	Power kW	Dia. Fan (mm)	dB (A)	L (mm)	Q Air (m3/h)	Cap. (lt)	Weight (kg)	IP
01	50/60	230	1380/1550	0.18/0.25	400	62	233	4000	2.6	21	44
03	50/60	380	1380/1520	0.18/0.25	400	70	233	4375	2.6	21	44
14	50 60	230/400 276/480	1390 1685	0.55 0.66	400	71	438	4000	2.6	25	55
12	DC	12	2248	0.151	385	77	206	2950	2.6	20	68
24	DC	24	2248	0.151	385	77	206	3101	2.6	20	68
G2	-	-	-	-	400	-	235.5	-	2.6	19	-

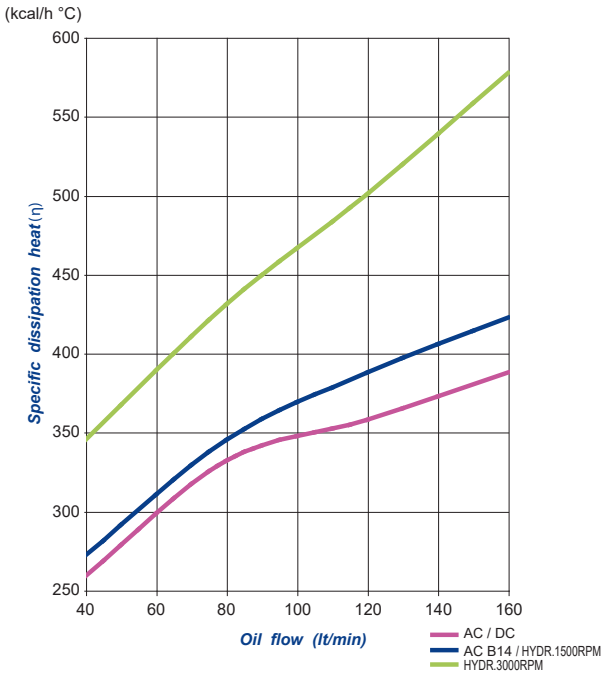
Suggested oil flow from 40 to 160 (ltr/min)



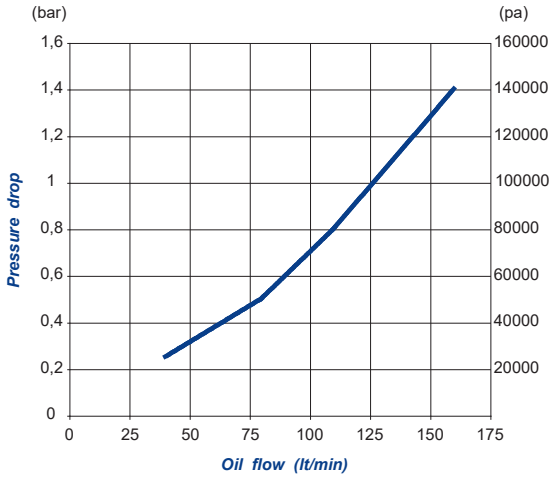
Correction Factor

CST	10	15	20	32	40	50	60	80	100	200
F	0.51	0.66	0.76	1	1.22	1.4	1.6	1.9	2.1	3.4

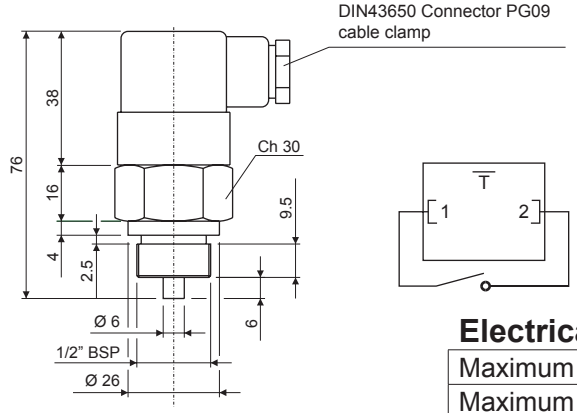
Performance Diagram



Pressure Drop Diagram (32 cst)



Bimetallic Fixed Temperature Switch



Stock Code	Working Temperature	Contact
T01	36-26°C	
T02	43-33°C	
T03	52-42°C	
T04	65-55°C	NA/NO
T05	75-65°C	
T06	85-75°C	
T07	95-85°C	

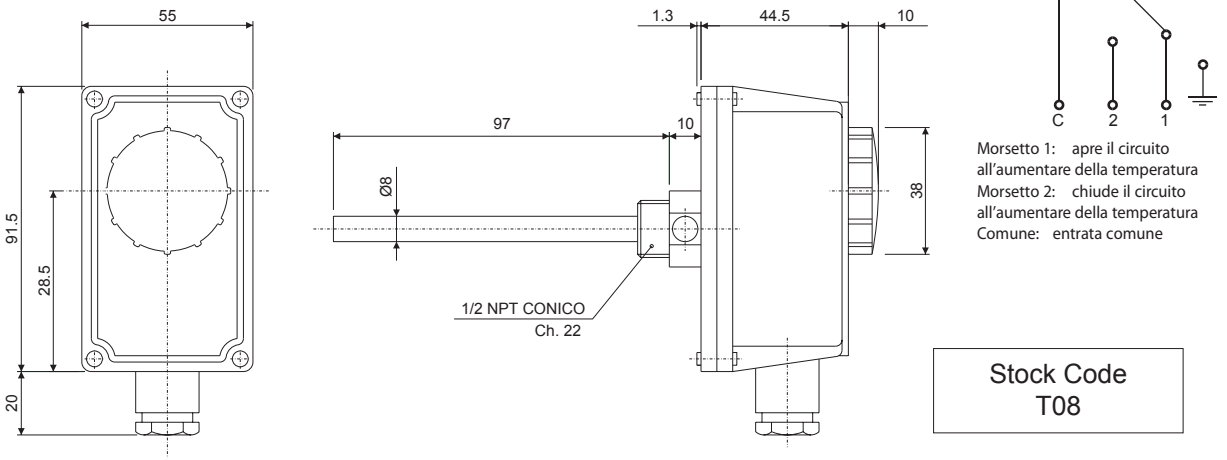
Electrical Data

Maximum voltage	250Vca
Maximum current	16A
Tolerance	±5°C
Maximum fixed hysteresis	15°C
Electrical connection	DIN43650
Protection degree	IP65
Maximum temperature	130°C

Materials

Body	Brass
Contacts	Silver plated

Temperature Switch



Stock Code
T08

Electrical Data

Temperature range	0°±90°C
Tolerance	±5k
Temperature differential	6±2k
Degree of protection	IP40
Insulation class	I
Temperature rate of change	<1k/min
Maximum head temperature	80°C
Maximum sensing bulb temperature	125°C
Storage temperature	-15°C 55°C
Time constant	<1'
Contacts rating	C-1:10(2.5)A/250V~ C-2:6(2.5)A/250V~
Output	cutoff or switching contacts
Switch action	1B
Installation location	normal environment
Fairlead type	M20x1.5

How to Order

SS20
Type
SS10
SS15
SS20
SS24
SS30

14	
Fan Motor	
01	230V 50/60 Hz Single Phase
03	230/400V 50/60 Hz three phase
14	230/400V 50/60 Hz three phase B14
12	12V CC
24	24V CC
G2	Arranged for hydraulic motor GR.2

02	
Bimetallic fixed temperature switch	
00	No Switch
01	Fixed switch 36-26°C
02	Fixed switch 43-33°C
03	Fixed switch 52-42°C
04	Fixed switch 65-55°C
05	Fixed switch 75-65°C
06	Fixed switch 85-75°C
07	Fixed switch 95-85°C
Adjustable switch	
08	Adjustable switch 0-90°C

P	
Foot flanges / Electric connection	
P	With foot flanges
E	With electric connection
PE	With foot flanges and electric connection