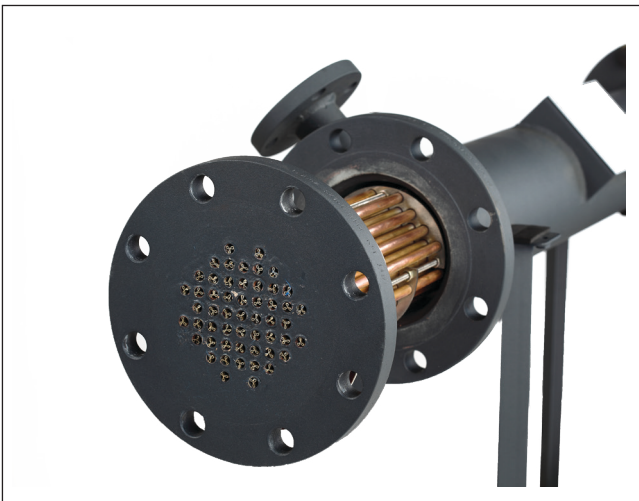


# SANPAR

## AIR & GAS COOLER

Air/Water Cooled



### WHY COOLERS ARE REQUIRED IN A COMPRESSED AIR / GAS LAYOUT

Air / Gas exiting from the compressor need to be cooled for whatever application is intended for. No downstream equipment can handle temperature of 90 - 120° C.

Compressed air / gas from an air compressor is discharged at high temperatures that contain larger quantities of water in vapour form. Untreated air would condense in the distribution system and cause expensive damage to all the equipment and processes, which use the air / gas. The temperature of air/gas at the outlet shall be 10° C above the cooling media - air / water.

### SALIENT FEATURES OF SANPAR AFTER COOLER (AIR COOLED)

- ❑ Copper tubes and Aluminum fins are used for effective heat transfer and durability
- ❑ Low Pressure drop (less than 0.1 bar)
- ❑ Low Noise (less than 70 decibels)
- ❑ Low maintenance
- ❑ Fan assembly with protective guard
- ❑ Compact Models occupy less floor space



## WHEN TO CONSIDER A WATER COOLED AFTER COOLER


Water from cooling tower is used to cool the compressed air / gas in a shell & tube Heat exchanger. Brass inserts in the copper tube reduces the overall dimension by 40% compared to the conventional after coolers. The brass insert design breaks the air flow which enhances the heat exchange surface area. SANPAR design water cooled after cooler that are custom made hence completely flexible in design considerations to suit the customer requirements.

## SALIENT FEATURES OF SANPAR AFTER COOLER (WATER COOLED)


- ❑ Removable tube bundles in case of scaling
- ❑ Horizontal and vertical models
- ❑ Low pressure drop (less than 0.1bar)
- ❑ Low maintenance
- ❑ Compact models occupy less floor space
- ❑ Revolutionary tube inserts in each Copper tube for enhanced heat transfer surface area.
- ❑ Design compliance to TEMA
- ❑ Vessel designed to ASME Section VIII Div 1

## **SANPAR INDUSTRIES PVT. LTD.** **SANPAR MICROFILTERS PVT. LTD.**

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 Plot No 4/5, 2nd Cross KSSIDC Industrial Estate,  
Bommasandra 2nd Stage, Bangalore 560099, INDIA.

 080 4343 5959

 +91 95 9004 2525

 enquiry@sanpar.com

 www.sanpar.com

