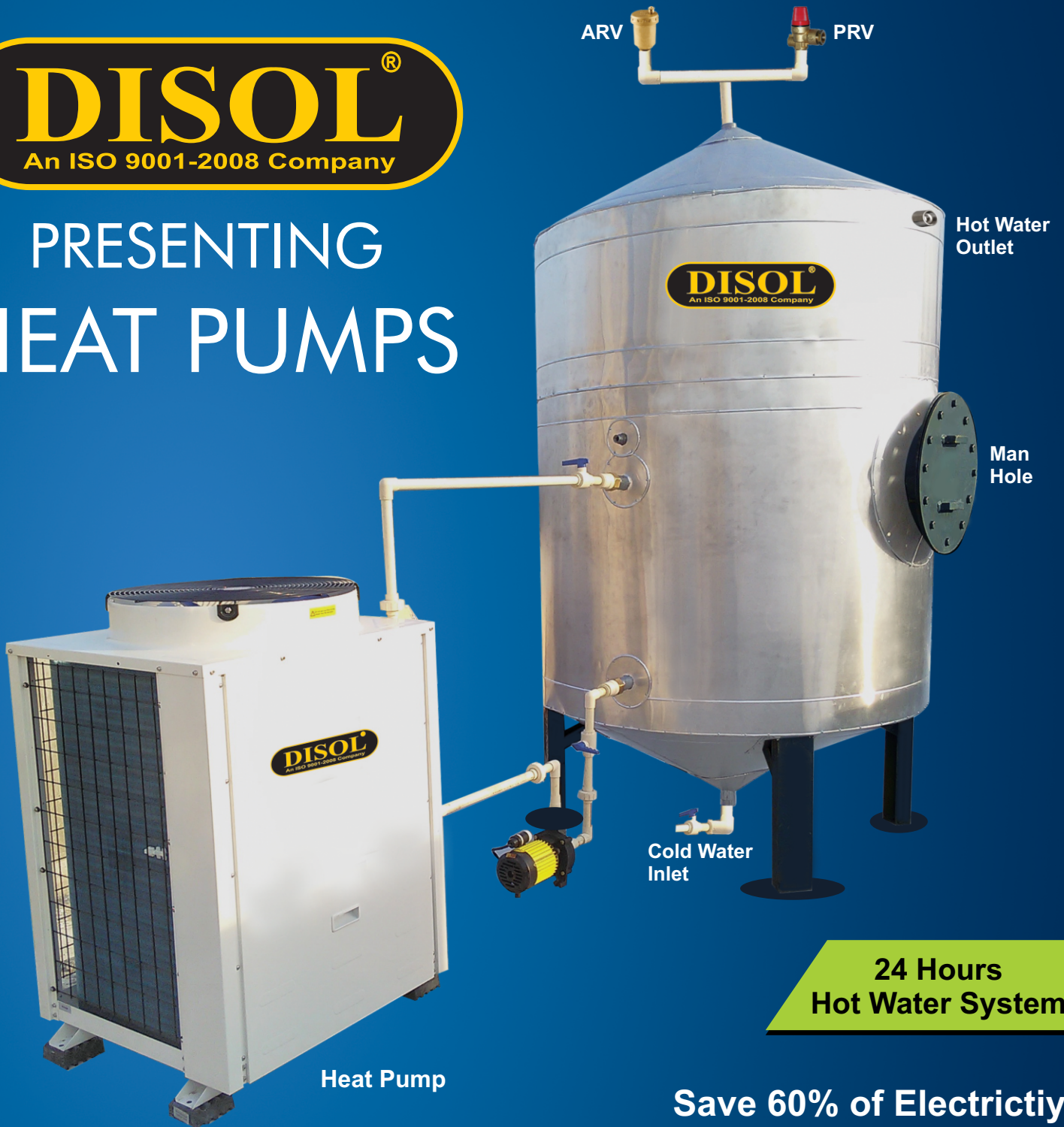




PRESENTING HEAT PUMPS



**24 Hours
Hot Water System**

Save 60% of Electricity

LOW MAINTENANCE | INCREASED EFFICIENCY | ECO FRIENDLY



DOMESTIC HEAT PUMP

- ✦ Apartments
- ✦ Villas
- ✦ Individual Houses
- ✦ Bungalows
- ✦ Kitchens / Caterers



COMMERCIAL HEAT PUMP

- ✦ Housing Societies
- ✦ Hotels / Resorts / Restaurants
- ✦ Swimming Pool
- ✦ Commercial Laundry
- ✦ Hospitals
- ✦ Food Courts



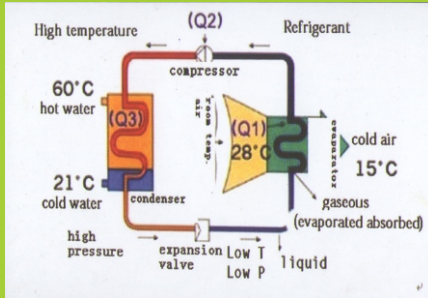
INDUSTRIAL HEAT PUMP

- ✦ Automobile / Engineering
- ✦ Pharma / Bulk Drugs
- ✦ FMCG
- ✦ Plastic Moulding
- ✦ Breweries and Beverages
- ✦ Process Industries

AIR SOURCED HEAT PUMPS

Heating Capacity	6.8 kw	12.8 kw, 13.2 kw	16.6 kw	19.3, 20.1 kw	41 kw
					
Input Power	1.73 kw	4.25 kw, 3.32/Kw	4.25 kw	4.5 kw, 5.13 kw	10.75 kw
Refrigerant	R407C	R407C	R407C	R407C	R407C
Power Supply	Single Ph (220-240V)	3 Ph (380-415V)	3 Ph (380-415V)	3 Ph (380-415V)	3 Ph (380-415V)
Hot Water Per Hour (30° C Increase)	195 Litres	373 Litres	476 Litres	575 Litres	1175 Litres
Max Temp	60 deg C	60 deg C	60 deg C	60 deg C	60 deg C
Built in Cir Pump	Yes	Yes	No	No	No

HOW IT WORKS



The figure shows the schematic presentation of the working principle of a Air Source Heat Pump Water Heater. The important parts of a heat pump are Exaporator, Heat Exchanger and a Compressor.

The low temperature, low pressure refrigerent in the liquid state is made to pass through the evaporator where it absorbs heat from the ambient air and vapourises. This gaseous refrigerant is passed through a compressor where it is compressed to very high pressure. Since temperature is directly proportional to pressure the temperature of the refrigerant also increases, this high temperature, high pressure refrigerant is passed through a heat exchanger where water will be flowing in the counter directions, hence the water absorbs the refrigerant's temperature and the water is heated. The refrigerant is passed through a expansion valve to reduce its pressure as well and the cycle continues.

Air Source Heat Pump Water Heater : Disol takes pride in presenting you the fourth generation water heaters, The Air Source Heat pump water heater. The Air Source Heat Pump Water Heaters are Energy Saving, Compact, Eco-friendly and very easy on your pocket too. Conventional water Heaters - be it diesel or gas, they use non renewable fast-depleting, fossil fuels and they don't just burn a hole in your pocket, they also adversely impact the environment. Air Source heat pump water heater uses ambient temperature to heat water with out harming the environment in any way. Make a Green Shift and switch to Disol to save 70% of your operating cost on water heating.

SOLAR & HEAT PUMP HYBRID SYSTEM



10,000 Ltrs. Capacity Hybrid System
Installed : Sparsh Super Speciality Hospital, Bangalore



DISOL SOLAR SYSTEMS PVT. LTD.

No. 814, Laggere Main Road, Chowdeshwari Nagar, Peenya, Bangalore - 560 058.

Mobile : 9844074385 / 973924416 / 9035182535

E-mail : sales@disosolar.com Website : www.disolsolar.com