


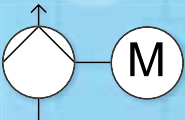

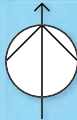


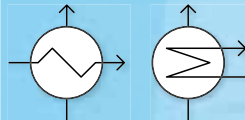



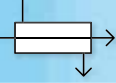
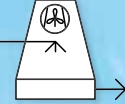








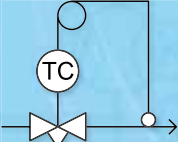












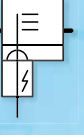

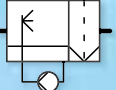









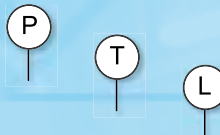


SYMBOLS AND TERMS USED IN REFRIGERATION AND AIR CONDITIONING TECHNOLOGY

In refrigeration and air conditioning technology standardised symbols are used for process schematics. For refrigeration, the standard EN 1861 Refrigeration Systems and Heat Pumps applies, and for air conditioning technology, the standard DIN 1946 Ventilation and Air Conditioning Technology applies. This page introduces the most frequent symbols used in this catalogue. The list only provides an extract of the available symbols.

REFRIGERATION			
COMPRESSORS AND PUMPS			
	Compressor, general		Axial fan
	Piston compressor		Pump, general with motor
	Scroll compressor		Centrifugal pump
	Jet compressor		Piston pump
HEAT EXCHANGERS			
	Heat exchanger, general		Plate heat exchanger
	Finned tube heat exchanger		Air-cooled finned tube heat exchanger with axial fan
	Tubular heat exchanger		Wet cooling tower with aspirating axial fan
TANKS			
	Tank, general		Collector, pressure vessel
	Tank with electric heater		

SHUT-OFF AND EXPANSION ELEMENTS			
	Valve, general		Valve with continuous adjusting behaviour
	Ball valve		Adjustment valve with drive
	Non-return valve		Thermostatic expansion valve with capillary sensor
	Safety valve		
	Liquid filter		Sight glass with humidity indicator
	Fixed bed filter, e.g. filter/drier		
	Separator, general		Hydraulic control unit such as intake pressure, evaporation pressure or capacity controller
	Baffle plate separator		

AIR CONDITIONING TECHNOLOGY			
	Distribution chamber		Air cooler, general
	Mixing chamber		Air cooler with direct evaporator
	Filter element		Steam humidifier, electrically heated
	Sound insulation		Spray humidifier with mist collector and pump
	Divided flap, motorised		Water chiller set with compression refrigeration system
	Fire protection flap		
	Axial fan		Air heater, electrically heated
	Radial fan		Steam boiler

MEASURING AND CONTROL TECHNOLOGY			
	Measuring points for: Pressure (P) Temperature (T) Filling level (L)		Pressure switches for high pressure (PSH) and low pressure (PSL)
			Control unit for level with signal path