

## comp**SUPER XS ValuePack**

With more than 1000 CO<sub>2</sub> booster systems in operation, Advansor felt it was time for the final battle against HFC systems. With the new ValuePack available there is no longer any reason for choosing a HFC system. The primary target group for the ValuePack products is convenience stores and express formats. The price level of the ValuePack is fully competitive against HFC systems for a standard convenience store with medium (MT) and low temperature (LT) capacity needs of 40 kW and 10 kW respectively. Although the price level is significant below a traditional CO<sub>2</sub> booster system, this does not interfere with Advansor's high quality levels and design requirements.

- Compact, easy-to-install and service friendly design
- Price competitive against HFC racks
- Same high quality as all other Advansor systems
- Green and environmentally friendly refrigerant – CO<sub>2</sub>
- Future proof solution

## Design

The ValuePack design is based on a standard compSUPER XS system, which has been a part of Advansor's product portfolio since 2006. Only CO<sub>2</sub> is used as refrigerant. The ValuePack is a completely rethinking of the traditional Advansor way of designing CO<sub>2</sub> booster racks, where the compressors are placed in two layers; MT compressors at bottom and LT compressors at top. The ValuePack design is simpler with compressors in only one layer, the electrical panel above and the receiver left to the compressors. Combined with the use of K65 piping this leads to a very simple and compact design.

The design is compact and simple and available in four installation variations:

- Rack installed in weather-proof cabinet with gas cooler connected and placed on top.
- Rack installed in weather-proof cabinet, with remotely installed gas cooler.
- Rack installed indoor in cabinet for sound reduction, with remotely installed gas cooler.
- Rack installed indoor without cabinet, with remotely installed gas cooler.

The ValuePack-series includes:

- MT suction accumulator
- Internal heat exchanger
- Oil management with reservoir and electronic oil controls
- Electrical panel with Danfoss controller
- MT compressor with integrated frequency inverter
- Safety switches and pressure relief valves
- Electronic gas-bypass valve and high pressure valve



ValuePack models:	XS2x0	XS2x1	XS2x2
# of compressors MT/LT	2/0	2/1	2/2
MT capacity [kW] *	15-55	12-46	15-40
LT capacity [kW] *	-	3-7	5-12
Receiver volume [L]	80	80	80
<b>Mechanical connections</b> Liquid line MT suction line LT suction line	1xCU5/8" 1xCU5/8" -	1xCU5/8" 1xCU5/8" 1xCU1/2"	1xCU5/8" 1xCU5/8" 1xCU1/2"
<b>Frequency inverter</b>	MT: Integrated (30-87Hz) LT: not available	MT: Integrated (30-87Hz) LT: not available	MT: Integrated (30-87Hz) LT: not available
<b>Electrical connection</b>	3x400V+N/50Hz	3x400V+N/50Hz	3x400V+N/50Hz
<b>Length [mm] **</b>	2300	2300	2300
<b>Width [mm] **</b>	1200	1200	1200
<b>Height [mm] **</b>	2800	2800	2800
<b>Weight [kg] **</b>	1500	1550	1600

\*MT and LT capacities stated at respectively -10°C and -32°C evaporation/32°C ambient

\*\*Dimensions and weight include rack, cabinet and gas cooler

#### Standard configuration:

- High-quality, semi-hermetic compressors
- Rack installed in weather-proof and sound reducing cabinet with gas cooler on top
- Gas cooler with speed-controlled fans
- One frequency controlled MT compressor
- Danfoss controller
- K65 piping
- Design pressure
  - 30 bar on low temperature suction side
  - 52 bar on medium temperature suction side
  - 60 bar on receiver
  - 120 bar on high pressure side

#### Options:

- Heat recovery
- Rack for indoor installation (without cabinet)
- Gas cooler installed remotely, delivered loose

