THE STRONGEST LINK. **STAHL**

KEEP IT COOL!

ExSys Cool Series 8701
HVAC system for Zone 1 and Zone 2

KEEP COOL & COMFORTABLE

WITH HVAC SYSTEMS FOR HAZAROUS AREAS FROM R. STAHL

People and machinery require an ideal working environment to be productive, even in hazardous areas. Heating, ventilation and air-conditioning systems (HVAC) for these areas must satisfy very specific requirements. The ExSys Cool 8701 from explosion-protection specialist R. STAHL is the ideal solution for this challenge.

The fully automatic air-conditioning system controls proper temperature and ventilation in areas exposed to explosion hazards. The ExSys Cool 8701 system is certified in accordance with the ATEX and IECEx standards for implementation in Zones 1 and 2. It is certified as equipment and can be installed in Ex e and Ex p solutions without additional certifications. The series is available with a cooling performance from 4 kW to 6 kW in a wide ambient temperature range.

Typical applications include control rooms, control panels (Ex e), accommodations, pressurized panels (Ex p), analyzer cabinets, workshop cabins, operator cabins, driller cabins and containerized solutions.

R. STAHL's know-how with explosion protection goes way beyond HVAC systems. For almost a century, R. STAHL has been trendsetting in the field safety technology for hazardous areas. That makes us your one-stop shop for all subjects involving explosion protection.

HIGHLIGHTS OF THE EXSYS COOL 8701

- Constant, fully automatically controlled temperature setting round the clock in a wide temperature range between +18 °C and +35 °C.

- Cools reliably even in demanding conditions.

- Ex equipment certified for installation in Ex e and Ex p solutions.

- Fully explosion-protected inside and outside.

- Easy installation, no configuration required – plug and play.

- Available in preconfigured versions or as a customised solution.

- Balanced design enables direct surface mounting without additional support.

- Future-proof thanks to the use of a refrigerant with a low global warming potential (GWP).

- Global after-sales service.

For further information, please visit
r-stahl.com/en/hvac

COOLS PEOPLE AND TECHNOLOGY

ANALYZER CABINET

EX P MOTOR CONTROL CENTER (MCC)

EXPLOSION PROTECTION	
ATEX	⟨Ex⟩ II 2 G Ex db eb mb q ib IIB+H2 T4 Gb
IECEx	Ex db eb mb q ib IIB+H2 T4 Gb
External (condenser) Ex-rated / Internal (evaporator) Ex-rated	Yes / Yes
AMBIENT CONDITIONS	
Ambient temperature	-20 °C … +50 °C [-40 °C … +50 °C, -20 °C … +55 °C]
CLIMATIC DATA	
Cooling range capacity according to EN 14511 (L35/L35)	4 kW – 6 kW
Refrigerant type	R513A [R134A]
Refrigerant GWP	573 [1300]
ELECTRICAL DATA	
Power supply	220/240 V – 50 Hz – 1 Ph (cooling capacity 4 kW)
	380/400 V – 50 Hz – 3 Ph (cooling capacity 5 kW & 6 kW)
MECHANICAL DATA	
Degree of protection according to IEC/EN 60529	IP66
Air conditioner enclosure	Stainless steel 1.4404 (AISI 316 L), brush finished
Mounting	Through the wall
Dimensions	L = 1245 mm, B = 600 mm, T = 778 mm
Weight	250 kg

Another „cool" product

COMING SOON

SPLIT-VERSION

The ExSys Cool Series 8701 is a split-type, air-conditioning system which offers the advantage of low-noise cooling in tight spaces. The unit consists of two segments: internal part (evaporating unit and control panel), and external part (condensing unit with compressor), which are connected through refrigerant lines.

Components for customised HVAC solutions

FAN BOX

Ventilation system for purge and pressurization of containerized solutions. Available in single or redundant configuration.

HEATER

Duct heater for heating up fresh air intake. Can be combined with the fanbox and/or space heater.

CUBEX SERIES 8264

Flameproof enclosures for container control systems including fanbox control, heater control and air conditioning control. Optional F&G control can be integrated.

STAHL

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