



ACH-3545-S-2252 Series Air-Cooled Camera Protective Housings

FUNCTIONALITY

In industry, many manufacturing processes and production sequences take place under very high temperatures. For ambient temperatures of up to 120 °C and a maximum of 850 °C at the front, the use of air-cooled protective housings such as ACH-3545-S-2252 series is recommended. The double-walled stainless steel housings are manufactured in industrial quality with IP65 as degree of protection.

The housings are cooled by a special air flow with vortex tube cooler. The flow rate depends on the ambient temperature. For the regulation and monitoring of the air flow PIEPER offers different supply and control devices.

The housings of the ACH-3545-S-2252 series are equipped with a camera slide-in carrier suitable for all PIEPER cameras. In the standard version, an optically ground, replaceable front screen is used. In case of strong heat radiation, a quartz glass pane can be used as an alternative.

MAIN FEATURES

- Air-cooled camera protective housing with vortex tube cooler
- Material: VA 1.4301 (stainless steel)
- Degree of protection: IP65
- Rotatable camera slide-in carrier



WEF-42-70-E



WUW-2252-E-HT



KEB-AL-17-RJ45

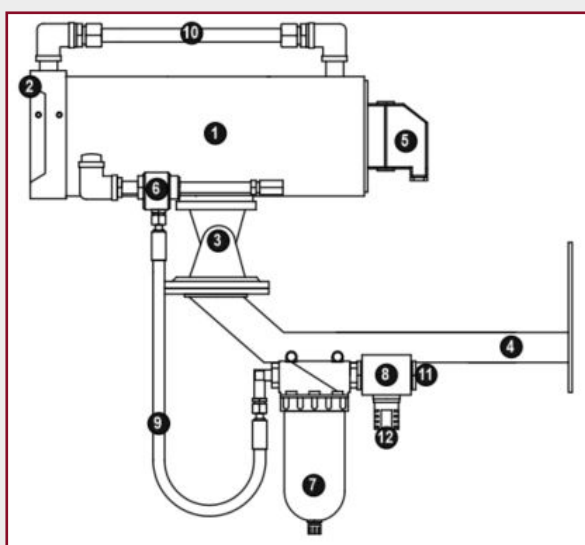
ACH-3545-S-2252 SERIES - TECHNICAL DATA

HOUSING VERSION	ACH-3545-S-2252	ACH-3545-S-2252-L	ACH-3545-S-2252-RJ45-01
Material	VA 1.4301 (stainless steel)		
Ambient temperature	120 °C		
Max. ambient temperature (front)	850 °C		
Camera slide in carrier	KEB-AL-17	KEB-AL-17	KEB-AL-17-RJ45-01
Connection	WUS-1700-2-M-AS	WUS-1700-2-M-AS	WUS-1700-2-M-RJ45-01-AS
Housing length	362 mm	462 mm	362 mm
Usable inside length	270 mm	370 mm	270 mm
Outer diameter	134 mm		
Usable inside diameter	113 mm		
Degree of protection	IP65		
Double pane insert	Yes		
Heat protection pane	HT-99-3.0-1000		

SYSTEM COMPONENTS

Air supply (WUD-3545)	Material	Aluminum
	Flow rate	5 Nm³/h (adjustable)
	Inlet pressure	0,5 - 1 bar
	Air connection	R 1/2"
	Diameter	135 mm
Automatic air cooler (208-BSP-25H)	Ambient temperature	Up to 120 °C
	Cooling temperature	30 °C
	Air consumption	40 Nm³/h
	Pressure	6 bar
Weatherproof adjustment base (WEF-42-70-E)	Material	VA 1.4301 (stainless steel)
	Design	Dovetail guide plate
Wall mount (WAH-2180-E)	Material	VA 1.4301 (stainless steel)
	Tray to middle of the plate	400 mm

ACH-3545-S-2252 SERIES - SCHEMATIC CONSTRUCTION



- 1 - Protective housing
- 2 - Air supply
- 3 - Adjustment base
- 4 - Wall mount
- 5 - Camera cable connector
- 6 - Air cooler
- 7 - Air filter
- 8 - 2/2 directional valve
- 9 - Air hose
- 10 - Stainless steel tube
- 11 - Air supply
- 12 - Power cable connection

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