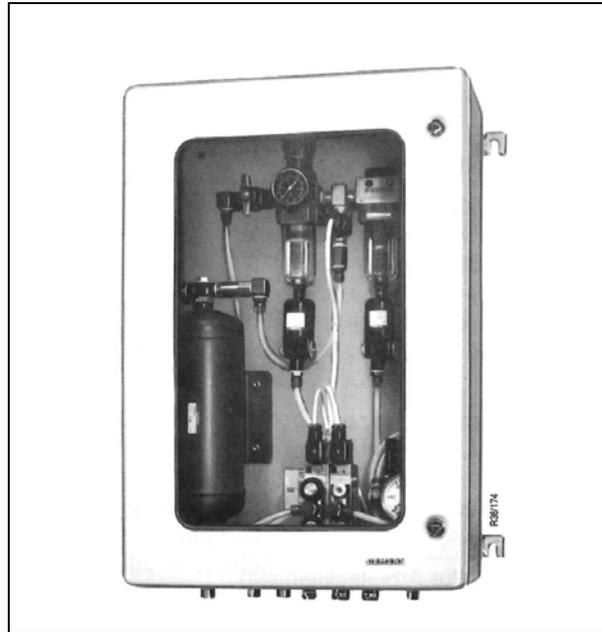


## Compressed air unit



### Compressed air unit

Compressed air unit for monitoring, processing and controlling the compressed air for the working air of the stroke cylinder in the retraction device and for the purging air to the probe camera housing, for storage of working air and for reversing and controlling the speed of the stroke cylinder. The basic model comprises all units for controlling and filtering the compressed air. It consists of working and purging air units.

The working air unit contains a working air valve with 2 throttle valves for separate adjustment of the insertion and retraction speeds.

The standby air reservoir (2 dm<sup>3</sup>) with check valve ensures safe extraction of the probe camera even upon failure of the compressed air supply.

The purging air unit includes a pre- and superfine filter, both with automatic condensate outlet. To ensure constant cooling of the front lens - even upon failure of the compressed air supply - the unit is available with a 5-l air reservoir (mounted outside the housing) for emergency purging air supply.

2 automatic outlet valves for condensate, 1 purging air valve for stopping the purging air with the camera retracted as well as a double-section wall housing for installing the compressed air unit, the cooling water unit and the control unit are provided in addition.

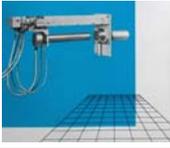
The working air and purging air units are available either separately or connected on a single mounting plate suitable for installation in the wall housing or in the double-section wall housing.

The compressed air unit can be only delivered for purging air processing if the probe camera is installed permanently.

If the temperature of the compressed air is higher than the temperature of the cooling water supply for the probe camera housing, the unit with compressed air outlet can be ordered with an attached cooling drier which cools the air to prevent the formation of condensate inside the probe camera housing.

### Technical data

Inlet	
- Compressed air	6 to 10 bar overpressure
- Temperature	≤ temperature of cooling water at the inlet of the probe camera housing; with air drier: max 37 °C
- Consumption	appr. 2m <sup>3</sup> /h
Outlets	
- Working air	5 µm, filtered air
- Overpressure	4 to 8 bar
- Purging air	filtration degree 99,999 % referring to solids of 0,01 µm diameter
- Overpressure	0,2 bar to 0,3 bar (max. 2,5 bar)
Voltage for working- and purging air valve (solenoid valve)	24V DC
Installation	vertical ± 5°
Degree of protection	IP 00 (on mounting plate), DIN 40050 IP 54 (in wall housing), DIN 40050
Temperature of use	+5 °C to +50°C
Weight	appr. 25 kg (for in-wall housing)
Distance to the retraction device	max. 10 m
Attachment	4 holes, Ø 9 mm for direct mounting 4 mounting brackets for M8 screws
Double section	Mounting plate with tapped holes for installation for cooling water units and compressed air unit.
Dimensions	600 x 400 x 200 mm



## Compressed air unit

### Ordering data

Item	Order no.:					
<b>Compressed air unit</b>	<b>2GF1703</b> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/>					
Working- and purging air units						
- with working- and purging air units 1)	1					
- with working air unit 1)	2					
- with purging air unit	3					
- with working air unit 1) with compressed air outlet (for purging air processing via cooling drier)	4					
Design						
- on mounting plate, complete with tubes		A				
- in wall housing, complete with tubes		B				
- in double section wall housing, including installation of a cooling water unit (2GF1704-8AA), which must be ordered separately; both complete with tubes		C				
Working air valve (for working air unit)						
- without working air valve		A				
- with working air valve for DC 24 V 2)		C				
Purging air valve (for purging air unit and Working air unit with compressed air outlet)						
- without purging air valve			0			
- with purging air valve 3) for DC24 V 2)			2			
Condensate outlet screw / valve						
- with condensate outlet screw(s)			0			
- with automatic condensate outlet valve for:						
working air unit			1			
purging air unit			2			
working- and purging air units			3			
Emergency purging air supply (for purging air unit)						
- without emergency purging supply					-	0
- with 10-l compressed air reservoir for emergency purging air supply, complete with tubes					-	1
<b>Double section wall housing</b>	<b>2GF1703-8HA</b>					

- 1) working air valve required
- 2) the voltage has to correspond to the voltage of the control unit
- 3) limit switch in the retraction device necessary