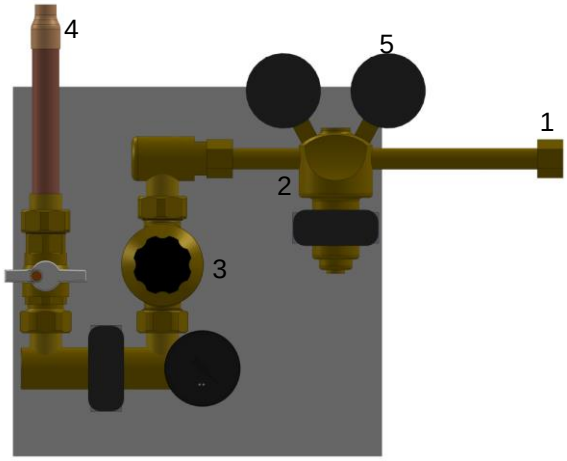


Illustration 1: Illustration of the SCS O2 (item no. 5373017)

1. Functional description

The single cylinder system (SCS) is used first to reduce the incoming high pressure (max. 300 bar) (1) from gas cylinders or cylinder bundles to working pressure (approx. 12 bar) using a main pressure regulator (2) and then to regulate this working pressure to a constant outlet pressure through a line pressure reducer (3). The constant pressure (4) provided in this way can be

a) provided for switchover systems (as a reserve/primary supply source) or
b) can be fed directly into the pipe network.

In addition, the incoming high pressure can be monitored by means of a high pressure contact manometer (5) and a (source) empty signal can be forwarded to the building management system.

2. Variants

Item number	Gas type
5373017	O2
5373018	N2O
5373021	Air
5373022	CO2
5373023	N2

3. product description

- Standard design (input right, output left)
- Main pressure regulator: Pressure adjustment using an Allen key; Locking with locknut
- Line pressure reducer: Pressure adjustment by means of hand ratchet; Locking with locknut
- Pressure gauge Ø 63 for displaying the working pressure and pressure gauge Ø 63 for displaying the outlet pressure
- To enable uncomplicated maintenance, all screw connections are designed to be O-ring sealed
- The main pressure regulator has a blow-off valve as a safety device that prevents an unintentional increase in pressure at the first fault - incl. exhaust air connection for discharging the gases to the outside
- Pressure monitoring of the third supply source / reserve possible using a high-pressure contact pressure gauge
- On request, the EGS can be equipped with a non-return valve and / or safety valve in the outlet.
- We recommend operating the EGS only with original spare parts / accessories from the manufacturer to ensure trouble-free functionality.
- In any case, a suitable filter must be installed upstream of the EGS, otherwise there is an increased risk of malfunctions.
- Complies with the purity requirements of DIN EN ISO 15001

4. Technical data

Technical data	
Gastype	Oxygen (O2) / Compressed air (Air) / Nitrous oxide (N2O) / N2 (Nitrogen) / CO2 (Carbon dioxide)
Nominal flow rate*	49.98 m /h^3
Max. preprint	Max 300 bar / approx. 60 bar for CO2 and N2O
Control range	Working pressure: 5 to 15 bar Outlet pressure: 0.5 to 13 bar
Inlet connection Ø	G ¾´´
Outlet connection	Cu pipe Ø15
Pressure gauge accuracy class	2.5 (pressure gauge 0-16 bar) / 1.6 (pressure gauge 0-400 bar)
Low alarm setting range	10 to 60 bar for O2 (5373017), Air (5373021), N2 (5373023) 5 to 30 bar for N2O (5373018), CO2 (5373022)
Medium temperature	-10°C to 60°C
Operating temperature	-10°C to 90°C
Storage temperature	Temperature: -20 bis 60 °C Rel. humidity : 5-95%
Weight (g)	Approx. 8 kg
Materials	Cu, spring steel, Ms; NBR-Ms, NBR, stainless steel, silicone

4.1 Dimensions

Height (mm)	Width (mm)	Depth (mm)
380	420	220

5. Spare parts

Item number	Article description
4100175	Repair kit for mainfold pressure regulator AGS 35-50
00007101-22	Wearing parts set for line pressure reducer
4100087-EGS	Sealing set EGS 35-50
9900431	Plug ¼" with hexagon socket
0211803	Pressure gauge Ø 63 G 1/4" rear 0-16 bar O2
0211804	Pressure gauge Ø 63 G 1/4" rear 0-16 bar neutral gases (Air, CO2, N2, N2O)
0211807	Pressure gauge Ø 63 G 1/4" bottom 0-40 bar oil and grease-free
4100069	Contact pressure gauge 0-400bar for empty signal / O2 / Air
4100196	Contact pressure gauge 0-160 bar for empty signal / CO2 / N2
0291660-22	Line pressure reducer BG40 G1/2" 0.5-16 bar
4100174	Main pressure regulator AGS 35-50 right
4100174-01	Main pressure regulator AGS 35-50 right 160bar
0294070	Ball valve DN20 PN25 G3/4 "It-G1 "Et

5.1 Accessories

Art. No.	Description of the
0363740	Cu profile seal 22 x 12 x 3.5
0213950	High-pressure sintered metal filter HP-G O2/Air/N2O/Co2
0163900	High-pressure shut-off valve G 3/4"
0263480	High-pressure release valve - corner design
5481000	High-pressure collecting pipe with outside thread for shut-off valve, 1-fold
5482050	High-pressure collecting pipe with outside thread for shut-off valve, 2-fold
5482150	High-pressure collecting pipe with outside thread for shut-off valve, 3-fold
5482250	High-pressure collecting pipe with outside thread for shut-off valve, 4-fold
5482350	High-pressure collecting pipe with outside thread for shut-off valve, 5-fold
5482450	High-pressure collecting pipe with inside thread for one-way valve, 6-fold
4100049	High-pressure one-way valve for O2 / Air / N2 up to 250 bar for item no 5373017 (O2), 5373021 (Air), 5373023 (N2)
4100155	High-pressure one-way valve for CO2 / N2O up to 250 bar for item no for part no. 5373018 (N2O), 5373022 (CO2)
WARNUNG 3-F AP KPL	Warning 3-fold surface cpl. incl. transformer
5412104	Relay module 1-fold Basis Board (optional for forwarding)
00007086-6-LO*	Safety valve 6.2 bar
0183230	Non-return valve 3/4" DN 12
1421494	Union nut 3/4" x 16
9900287	Solder sleeve Ø 15
0493182	O-Ring

6. Contact information

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