

MOUNTING AND OPERATING INSTRUCTIONS



EB 8546 EN

Translation of original instructions



Type 4708 Supply Pressure Regulators

Edition March 2018

Note on these mounting and operating instructions

These mounting and operating instructions assist you in mounting and operating the device safely. The instructions are binding for handling SAMSON devices.

- For the safe and proper use of these instructions, read them carefully and keep them for later reference.
- If you have any questions about these instructions, contact SAMSON's After-sales Service Department (aftersaleservice@samson.de).



The mounting and operating instructions for the devices are included in the scope of delivery. The latest documentation is available on our website at www.samson.de > **Service & Support** > **Downloads** > **Documentation**.

Definition of signal words

DANGER

Hazardous situations which, if not avoided, will result in death or serious injury

WARNING

Hazardous situations which, if not avoided, could result in death or serious injury

NOTICE

Property damage message or malfunction

Note

Additional information

Tip

Recommended action

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i Note

For details on the **Type 4708-45** Supply Pressure Regulator (with increased air capacity), see
▶ **EB 8546-1**.

1 Safety instructions and measures

Intended use

The Type 4708 Supply Pressure Regulator reduces and controls the maximum pressure of 12 bar (180 psi) in a compressed air network to the pressure adjusted at the set point adjuster. The device is designed to operate under exactly defined conditions (e.g. operating pressure, temperature). Therefore, operators must ensure that the pressure regulator is only used in applications where the operating conditions correspond to the technical data. In case operators intend to use the pressure regulator in other applications or conditions than specified, contact SAMSON.

SAMSON does not assume any liability for damage resulting from the failure to use the device for its intended purpose or for damage caused by external forces or any other external factors.

→ Refer to the technical data for limits and fields of application as well as possible uses.

Reasonably foreseeable misuse

The Type 4708 Supply Pressure Regulator is **not** suitable for the following applications:

- Use outside the limits defined during sizing and by the technical data

Furthermore, the following activities do not comply with the intended use:

- Use of non-original spare parts
- Performing maintenance activities not specified by SAMSON

Qualifications of operating personnel

The pressure regulator must be mounted, started up and serviced by fully trained and qualified personnel only; the accepted industry codes and practices are to be observed. According to these mounting and operating instructions, trained personnel refers to individuals who are able to judge the work they are assigned to and recognize possible hazards due to their specialized training, their knowledge and experience as well as their knowledge of the applicable standards.

Personal protective equipment

No personal protective equipment is required for the direct handling of the pressure regulator. Work on the control valve may be necessary when mounting or removing the device.

- Observe the requirements for personal protective equipment specified in the valve documentation.
- Check with the plant operator for details on further protective equipment.

Safety instructions and measures

Revisions and other modifications

Revisions, conversions or other modifications of the product are not authorized by SAMSON. They are performed at the user's own risk and may lead to safety hazards, for example. Furthermore, the product may no longer meet the requirements for its intended use.

Warning against residual hazards

To avoid personal injury or property damage, plant operators and operating personnel must prevent hazards that could be caused in the pneumatic instrumentation by the signal pressure or by moving parts by taking appropriate precautions. They must observe all hazard statements, warning and caution notes in these mounting and operating instructions, especially for installation, start-up and service work.

Responsibilities of the operator

The operator is responsible for proper operation and compliance with the safety regulations. Operators are obliged to provide these mounting and operating instructions to the operating personnel and to instruct them in proper operation. Furthermore, the operator must ensure that operating personnel or third persons are not exposed to any danger.

Responsibilities of operating personnel

Operating personnel must read and understand these mounting and operating instructions as well as the specified hazard statements, warning and caution notes. Furthermore, the operating personnel must be familiar with the applicable health, safety and accident prevention regulations and comply with them.

Referenced documentation

The following documents apply in addition to these mounting and operating instructions:

- The mounting and operating instructions of the components on which the pressure regulator is mounted (valve, actuator, positioner, etc.).

1.1 Notes on possible personal injury

WARNING

Risk of injury due to high pressure.

- Shut off the air line before performing work on the supply pressure regulator.

1.2 Notes on possible property damage

NOTICE

Risk of damage to the pressure regulator due to excessively high tightening torque.

- Do not exceed the maximum permissible torques specified in these mounting and operating instructions.

2 Design and principle of operation

The supply pressure regulator is used to supply pneumatic measuring and control equipment with a constant air supply. The maximum 12 bar pressure of the compressed air network in a plant is reduced to an adjustable minimum pressure of 0.2 to 1.6 bar or 0.5 to 6 bar.

At the inlet side, the supply pressure regulator is equipped with a filter cartridge with a mesh size of 20 µm. In addition, the regulator can also be equipped with a filter receptacle and a pressure gauge on the outlet side.

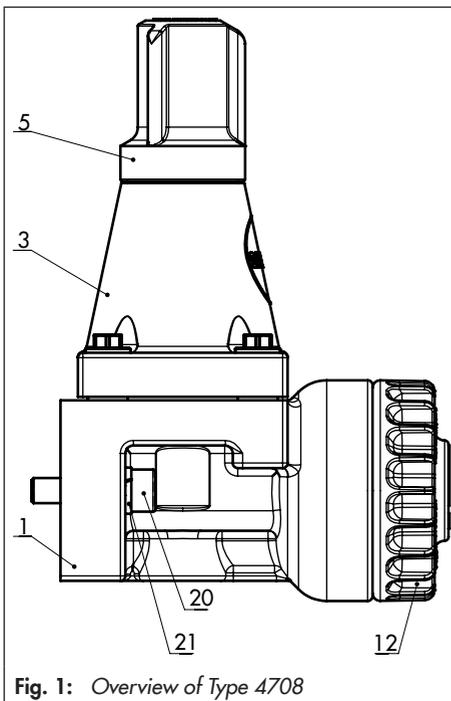


Fig. 1: Overview of Type 4708

The compressed air at the inlet flows across the filter through the free cross-section between the seat (1.1) and plug (1.2) and leaves the output with a reduced pressure depending on the plug position.

The output pressure to be controlled is transmitted to the diaphragm (2.1) over the connecting bore (1.3) and converted into a positioning force. This force is used to move the valve plug depending on the force of the positioning spring (6).

Turning the set point screw (7) causes the spring force to change and, as a result, the required set point is adjusted.

The set point ranges of the supply pressure regulator from 0.2 to 1.6 bar and 0.5 to 6 bar are determined by various tensions of the installed positioning spring (6).

Condensed water contained in the compressed air can be collected and drained when the filter cartridge (11) is mounted horizontally or the filter receptacle (13) is suspended downwards. The screw plug (12) can be unscrewed or the manual drainage (16) can be activated to drain condensed water.

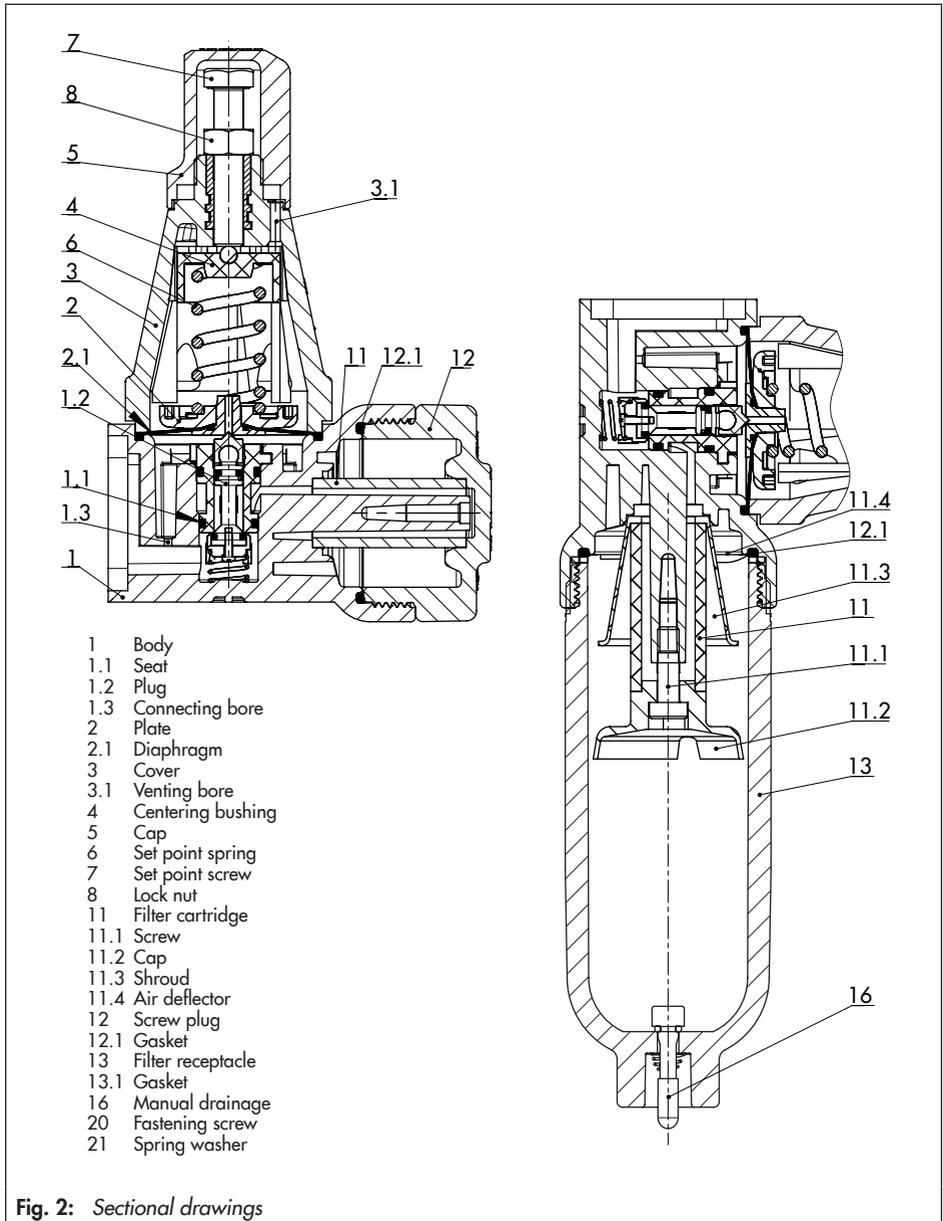


Fig. 2: Sectional drawings

2.1 Versions

Supply Pressure Regulator	Type 4708-			
	x	x	x	x
Standard version				
Aluminum filter without filter receptacle	1	0		
with plastic filter receptacle	1	1		
with aluminum filter receptacle	1	2		
Stainless steel version				
Stainless steel filter with stainless steel filter receptacle	1	3		
with plastic filter receptacle	1	4		
without filter receptacle	1	7		
Connection				
G ¼			2	
¼-18 NPT			5	
Set point range 0.5 to 6 bar (8 to 90 psi)				
Without pressure gauge				0
with pressure gauge, completely free of copper				1
with pressure gauge, housing free of copper				2
Set point range 0.2 to 1.6 bar (3 to 23 psi)				
Without pressure gauge				3
with pressure gauge, completely free of copper				4
with pressure gauge, housing free of copper				5
Supply pressure regulator with increased air capacity				
► EB 8546-1	4	5		
with adapter plate for positioners				
Types 3730, 3766, 3767	5	3		
Types 3725, 3730, 3766, 3767	5	4		
Type 3725, Types 4763/4765	5	5		0
with adapter plate for pneumatic actuators				
Type 3277 Actuator (240 to 700 cm ²) with Type 3730, 3766 or 3767 Positioner	6	2		0
Type 3372	6	2		
Type 3277 Actuator with connection block	6	4		0

Supply Pressure Regulator	Type 4708-			
For mounting onto Type 3379 Pneumatic Actuator	x	x	x	x
Mounting onto Type 3379 Actuator (31 cm ²), G 1/8	6	5		
Mounting onto Type 3379 Actuator (63 cm ²), G 1/4	6	6		
Manual/automatic switchover				
Bypass for positioner	8	2		
Filter without pressure gauge Type 4708-				
Aluminum body and plastic filter receptacle	8	3		0
Aluminum body and aluminum filter receptacle	8	4		0
Stainless steel body and plastic filter receptacle	8	6		0
Stainless steel body and stainless steel filter receptacle	8	7		0

2.2 Technical data

Table 1: Technical data ¹⁾

Supply pressure regulator	Type 4708-xx
Supply pressure	1.6 to 12 bar (24 to 180 psi)
Set point range	0.2 to 1.6 bar (3 to 24 psi) or 0.5 to 6 bar (8 to 90 psi)
Air consumption at 7 bar supply pressure	≤0.05 m _n ³ /h
Dependency on inlet pressure	< 0.01 bar/Δp = 1 bar
Reversing error	0.1 to 0.4 bar (depending on set point)
Hysteresis	< 0.1 bar
Filter cartridge mesh size	20 μm · Optionally 5 μm
Compliance	EAC
Pressure gauge	
Indicating range	0 to 1.6 bar (0 to 24 psi) or 0 to 6 bar (0 to 90 psi)
Connection	G 1/8

¹⁾ Values measured for Type 4708-xx with 1/4" connection and for Type 4708-45 with 1/2" connection

Design and principle of operation

Table 2: Materials

Supply pressure regulator		Type 4708-xx
Body	Metal parts	Aluminum (3.3547, anodized) or stainless steel (1.4409)
	Plastic parts	Polyamide, glass fiber reinforced
Cover		Polyamide, glass fiber reinforced
Cap		Polyamide, glass fiber reinforced
Plug		Polyamide, glass fiber reinforced and polyoxymethylene
Diaphragm		NBR · FVMQ for low-temperature version
Diaphragm plate		Polyamide, glass fiber reinforced or aluminum
Set point spring		1.4310
Filter receptacle ¹⁾		UV-resistant polyamide (Grilamid TR90UV), aluminum (3.3547) or stainless steel (1.4404)
Filter cartridge		20 µm: polypropylene · 5 µm: stainless steel
Pressure gauge		
Body		Stainless steel
Connection and measuring element		Nickel-plated brass or stainless steel for copper-free version

¹⁾ See Data Sheet ► T 8546/article code for material version

Table 3: Ambient temperature ranges

Type 4708-	10	11	12	13	14	17	53	54	55	62	64	65	66	82	83	84	86	87	
Version for standard temperatures																			
-25 to +70 °C ¹⁾		•	•	•	•							•	•		•		•		
-25 to +80 °C	•					•	•	•	•	•	•			•		•			•
Version for low temperatures																			
-40 to +80 °C											•								
-50 to +70 °C ¹⁾		•	•	•	•										•			•	
-50 to +80 °C	•					•	•	•	•	•				•		•			•

¹⁾ Applies also to rotating supplementary filter

Table 4: Weights

Type 4708-	10	11	12	13	14	17	53	54	55	62	64	65	66	82	83	84	86	87
kg (approx.)	0.48	0.58	0.66	1.65	1.2	1.0	0.68	0.95	0.37	0.4	0.5	0.45	0.45	0.4	0.24	0.32	0.59	0.95

3 Mounting the supply pressure regulator

- ➔ To prevent excessive amounts of condensed water from collecting, keep the distance between the compressor and supply pressure regulator as short as possible.
- ➔ Make sure the drain plug faces downwards in versions with a filter receptacle.

3.1 Compact supply pressure regulator

The supply pressure regulator can either be mounted directly in the pipeline of the air supply or on rails or brackets using the corresponding mounting parts (see accessories in section 10.2).

Observe the direction of flow of the supply air. An arrow on the nameplate indicates the direction.

3.1.1 Direction of flow

In the compact supply pressure regulators (Types 4708-10xx/-11xx/-14xx and -17xx), the direction of flow can be changed as follows:

1. Unscrew the two fastening screws and lift the supply pressure regulator off its connecting plate.
2. Remove the diverting gasket, turn it 180 degrees and reposition it as shown in Fig. 3.
- ➔ The long rubber finger of the gasket must always point in the direction of the regulator outlet.
3. Fasten the supply pressure regulator onto the connecting plate.
4. Stick the adhesive label included in the accessories over the arrow of the nameplate, making sure that the arrow indicates that the supply air flows in the opposite direction.

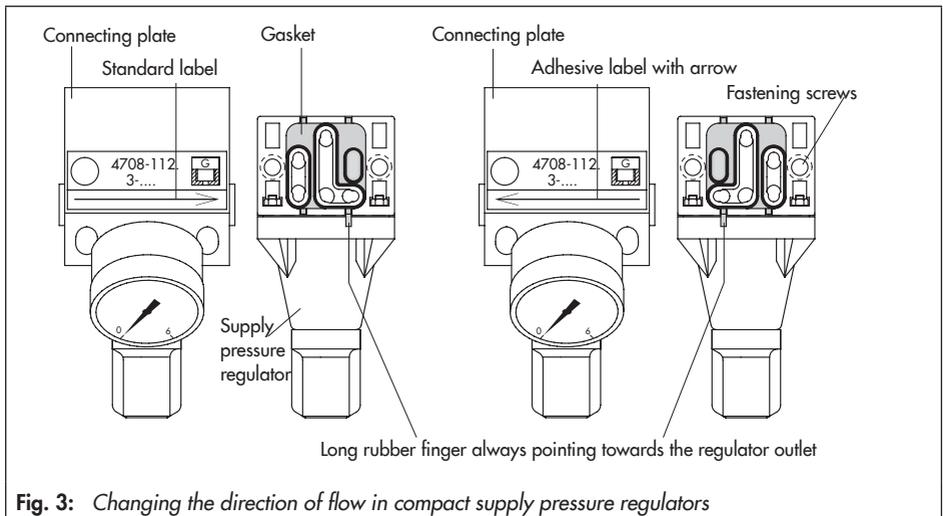


Fig. 3: Changing the direction of flow in compact supply pressure regulators

Mounting the supply pressure regulator

3.1.2 Turning the supply pressure regulator

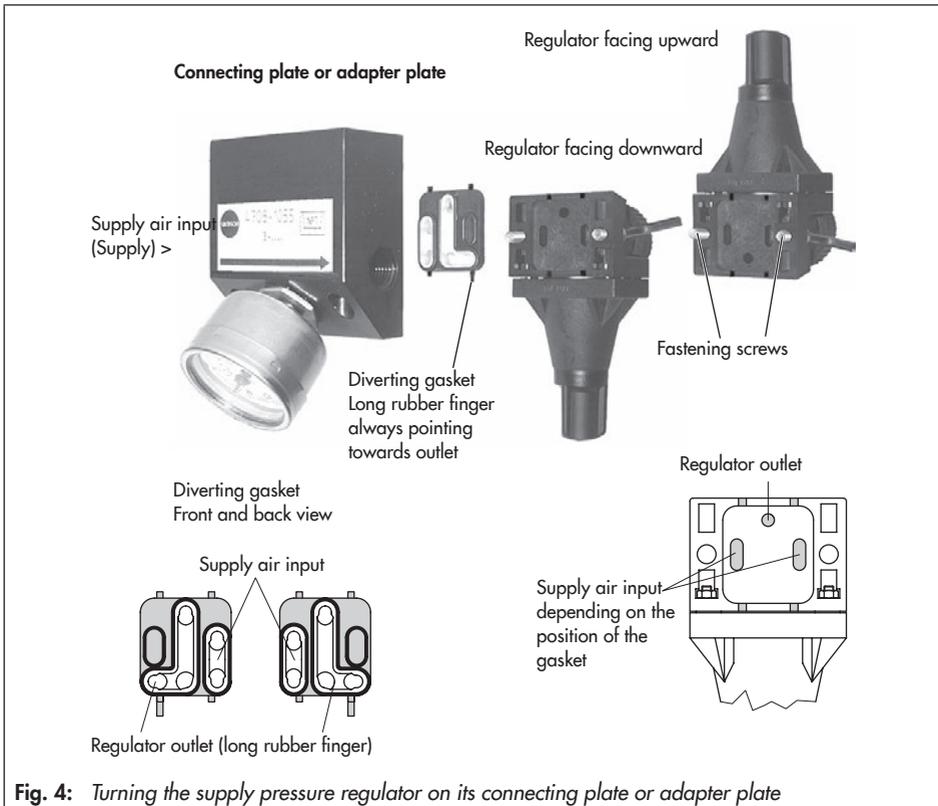
The supply pressure regulator can be turned on its connecting plate to allow the set point screw to face either up or down.

1. Unscrew the two fastening screws and lift the supply pressure regulator off its connecting plate.
2. Pull the diverting gasket out of the regulator and keep it in this position.

3. Turn the regulator 180 degrees and reinsert the gasket. In this way, you keep the bore assignment of the gasket for supply air input and regulator outlet.

→ The long rubber finger of the gasket must always point in the direction of the regulator outlet (reduced supply pressure).

4. Fasten the supply pressure regulator onto the connecting plate.



3.2 Supply pressure regulators for attachment to positioners and actuators

The supply pressure regulator versions intended for attachment to positioners and actuators are equipped with various adapter plates for the attachment.

If required, the installation position of the supply pressure regulator can be changed by turning it 180° on its adapter plate to allow the set point screw to face either up or down.

This applies particularly to positioners that can be mounted either to the left or right side of the valve yoke to determine the operating direction and fail-safe action of the actuator.

To turn the supply pressure regulator, proceed as described in section 3.1.2.

The regulator is turned on its adapter plate instead of on the connecting plate.

Supply pressure regulator for positioner Type 3730/3766/3767/3787

Type 4708-53xx for Type 3271 Actuator and Type 3277 Actuator (120, 240 to 700 cm²) with hooked-up valve accessories

1. Insert the gasket (2) into the recess of the adapter plate (1).
2. Place the supply pressure regulator on the positioner on the side where the pneumatic connections SUPPLY and OUTPUT are located. Screw tight using the two M5 screws (3).

Type 4708-54xx for rotary actuators
Proceed to mount as Type 4708-53xx.

Type 4708-54xx has a second output sealed with a stopper. This is intended for reduced supply air. It can be used to supply a second device, if required (e.g. a pilot-operated solenoid valve).

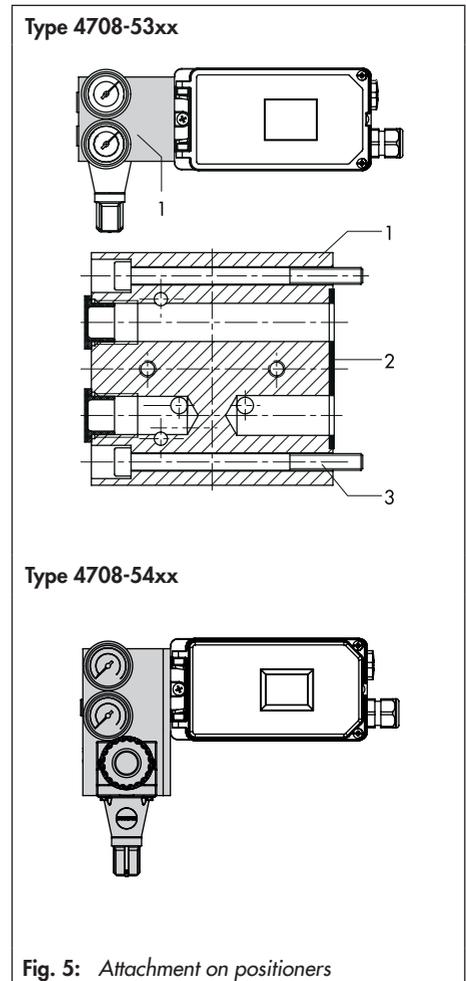


Fig. 5: Attachment on positioners

Mounting the supply pressure regulator

Type 4708-55xx for Types 3725, 4763 and 4765 Positioners

1. Screw the special nuts (5) into the connecting holes of the positioner.
2. Insert the gasket (2) into the recess of the adapter plate (1).
3. Slide the special hollow screws (6) for SUPPLY and (7) for OUTPUT into the connecting holes of adapter plate (1).
4. Place the supply pressure regulator onto the positioner and fasten it using the two special screws.
5. Seal the spare connections with stoppers (4) to prevent dirt from entering the device.

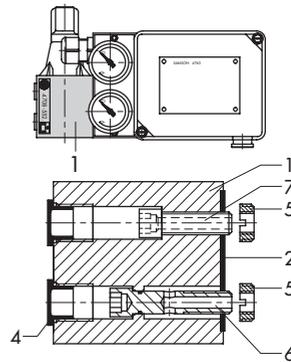


Fig. 6: Attachment to Types 4763 and 4735 Positioners

Type 4708-64xx for Type 3277 Actuator

Before mounting, check whether the tip of the gasket (1.2) projecting from the side of the connection block (1) is positioned to match the actuator symbol (1.3) for the actuator's fail-safe action "actuator stem extends" or "actuator stem retracts". If this is not the case, proceed as follows:

1. Unscrew the three Phillips screws (3.1), lift off the cover (1.1). Turn the gasket (1.2) by 180° and re-insert it. Continue with reassembly.
2. Place the connection block (1) with the inserted O-ring against the positioner and actuator yoke and fasten using the hexagonal socket screw (3).
3. Place the supply pressure regulator with O-ring on the connection block and fasten it with hexagonal socket screw (2).

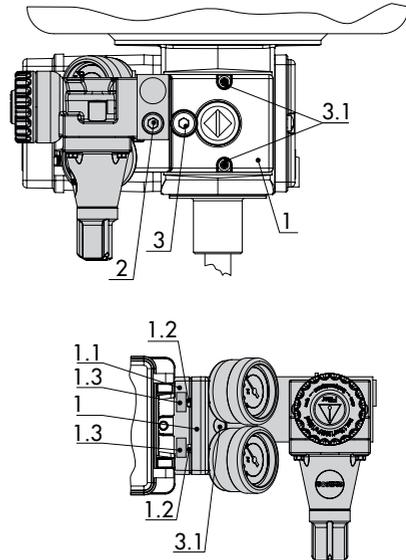


Fig. 7: Mounting on Type 3277 Actuator

Type 4708-62xx for Type 3372 Actuator

1. Screw the special nut (5) into the SUPPLY connecting hole of the actuator.
2. Slide the special hollow screw (6) into the connection hole of the adapter plate.
3. Insert the O-ring (9). Position the supply pressure regulator and fasten it to the actuator using the special screw.
4. Seal the spare connections with stoppers (4) to prevent dirt from entering the device.

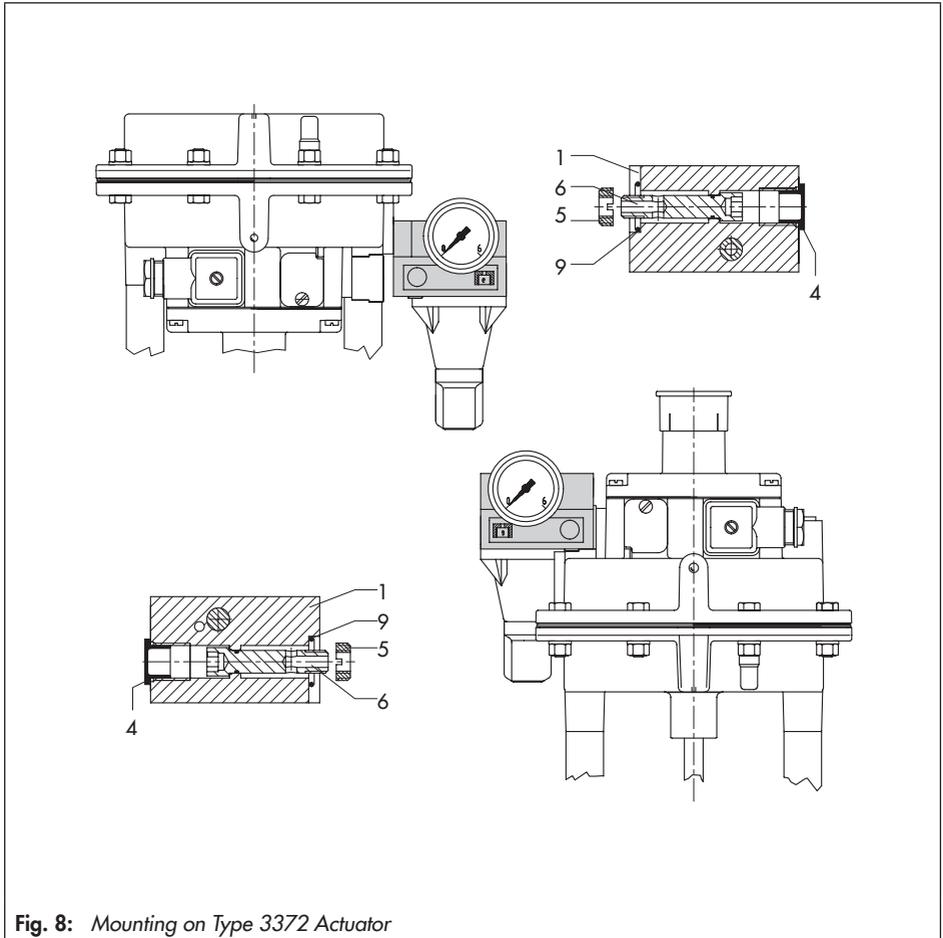
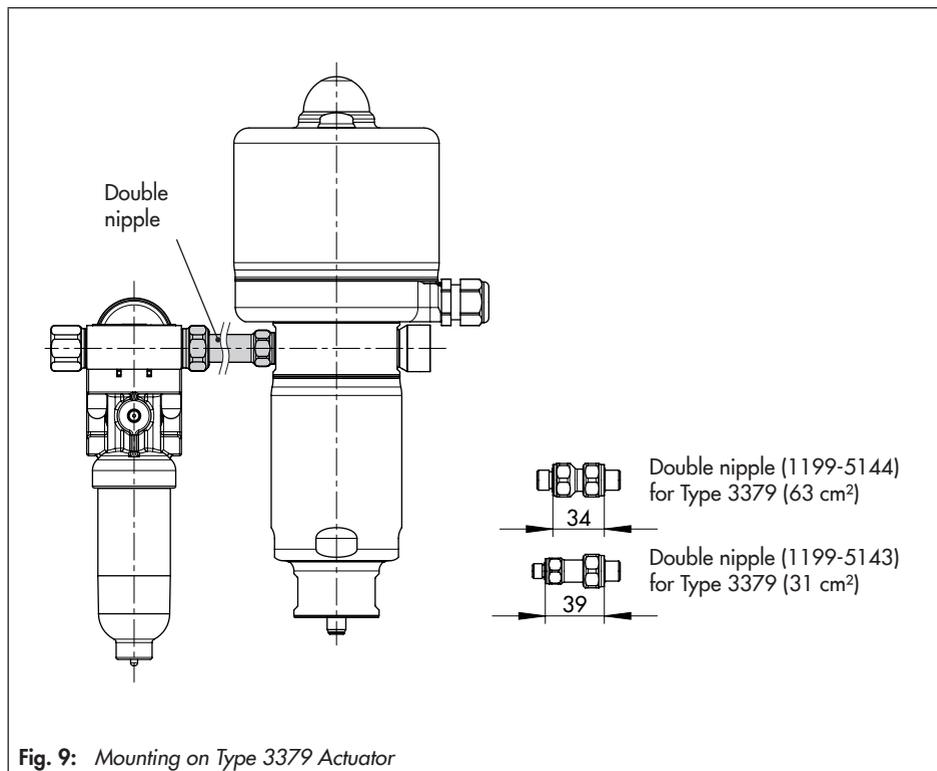


Fig. 8: Mounting on Type 3372 Actuator

Mounting the supply pressure regulator

Type 4708-65xx and Type 4708-66xx for Type 3379 Actuator

The Type 4708-65xx and Type 4708-66xx Supply Pressure Regulators are connected to the Type 3379 Pneumatic Actuator using the corresponding double nipple according to Fig. 9.



4 Pneumatic connections

The air connections are designed either with G 1/4 or 1/4-18 NPT threads. On compact supply pressure regulators, an arrow on the adhesive label indicates the direction from the supply air input to the output.

In supply pressure regulators with two connecting holes in the adapter plate (Fig. 5 and Fig. 6), the supply air connection is marked SUPPLY.

The positioner's output signal is routed in these versions over the OUTPUT port through the adapter plate to the actuator.

4.1 Pressure gauge

When attaching the pressure gauge, make sure that a gap of 2 to 3 mm remains between the lock nut (20) and pressure gauge's square on tightening the lock nut.

For Types 4708-12xx/13xx (compact versions), additionally make sure that the blanking plug (23) is only screwed in until it is flush with the body. Otherwise, the gaskets (21, 22) will be damaged. Each gasket is assigned either to the pressure gauge or to the screw plug and must be changed correspondingly if you change the location of the pressure gauge and screw plug to the other side.

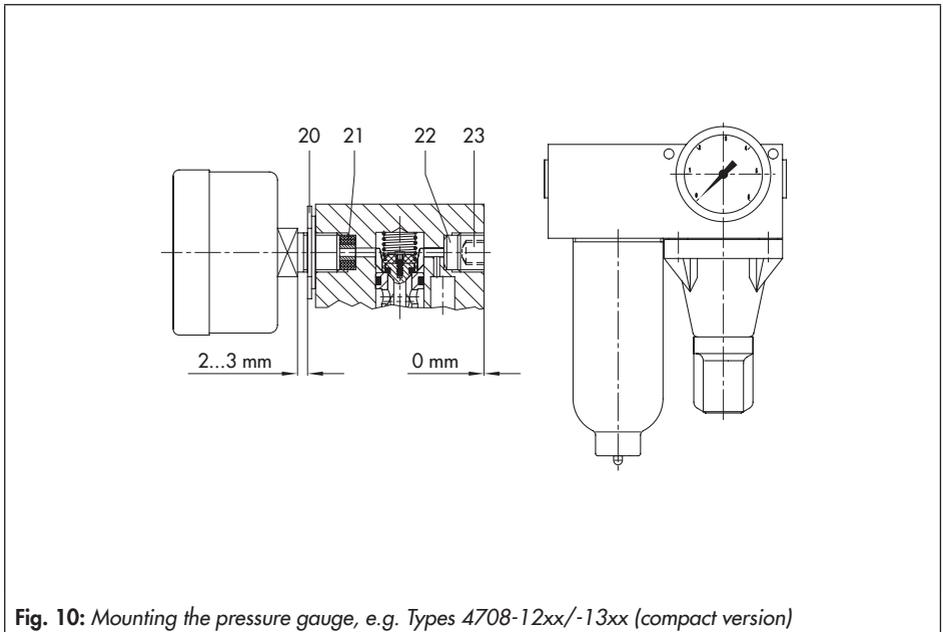


Fig. 10: Mounting the pressure gauge, e.g. Types 4708-12xx/-13xx (compact version)

4.2 Additional output

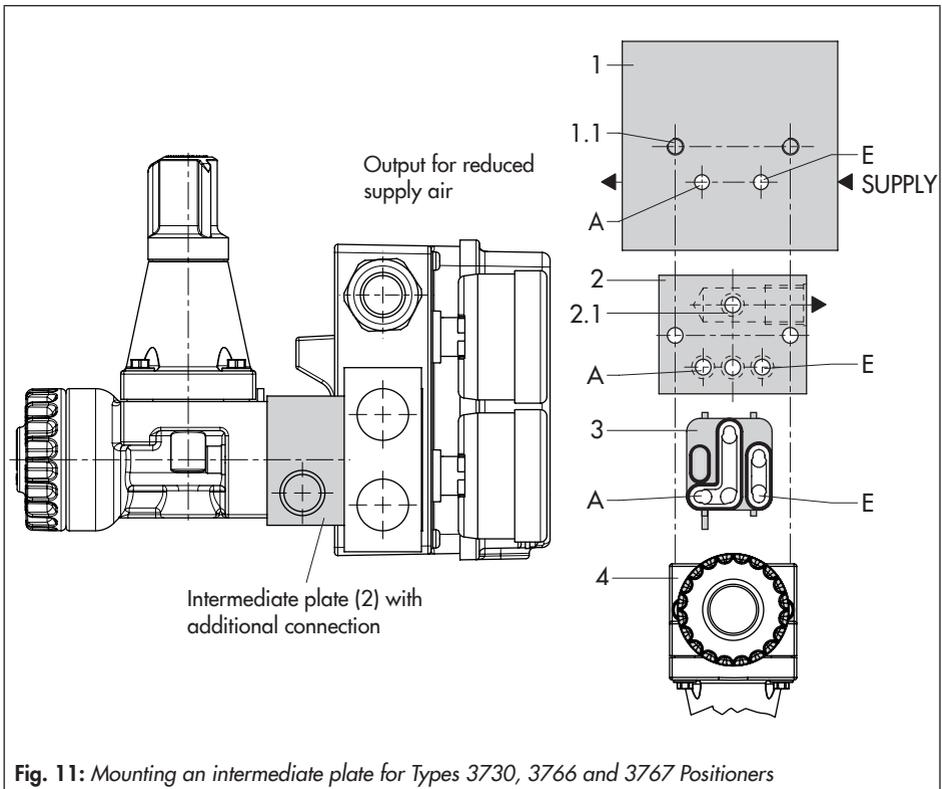
An additional output for reduced air pressure is required to allow the supply pressure regulator to supply two pneumatic devices. In some versions of Type 4708 (see section 10.2 on accessories), a second output can be made available by using an intermediate plate.

Example: Pneumatic actuator with positioner and pilot-operated solenoid valve

→ The supply air must be supplied separately to the pilot control.

The reduced supply pressure of the supply pressure regulator is additionally routed to the threaded connection at the side over the corresponding holes in the intermediate plate.

All versions can be ordered made of aluminum or stainless steel and with either G or NPT threads. See section 10.2.



Mounting the intermediate plate

1. Remove the fastening screws and lift the supply pressure regulator (4) together with the diverting gasket (3) off the adapter plate (1). Make sure you do not change the position of the diverting gasket in the supply pressure regulator.
 - ➔ The long rubber finger of the diverting gasket (3) must always point toward the regulator outlet (reduced supply pressure). See Fig. 11 and Fig. 12.
2. Insert the O-rings (2.1) into the boreholes of the intermediate plate (2).
3. Place the intermediate plate onto the connecting or adapter plate in such a way that their three boreholes (arranged in row) are located over the two 5 mm boreholes of the adapter plate and the boreholes (1.1) for the fastening screws are aligned correctly.
4. Place the supply pressure regulator (4) with the diverting gasket (3) onto the intermediate plate (2). Insert the longer fastening screws and fasten the parts.

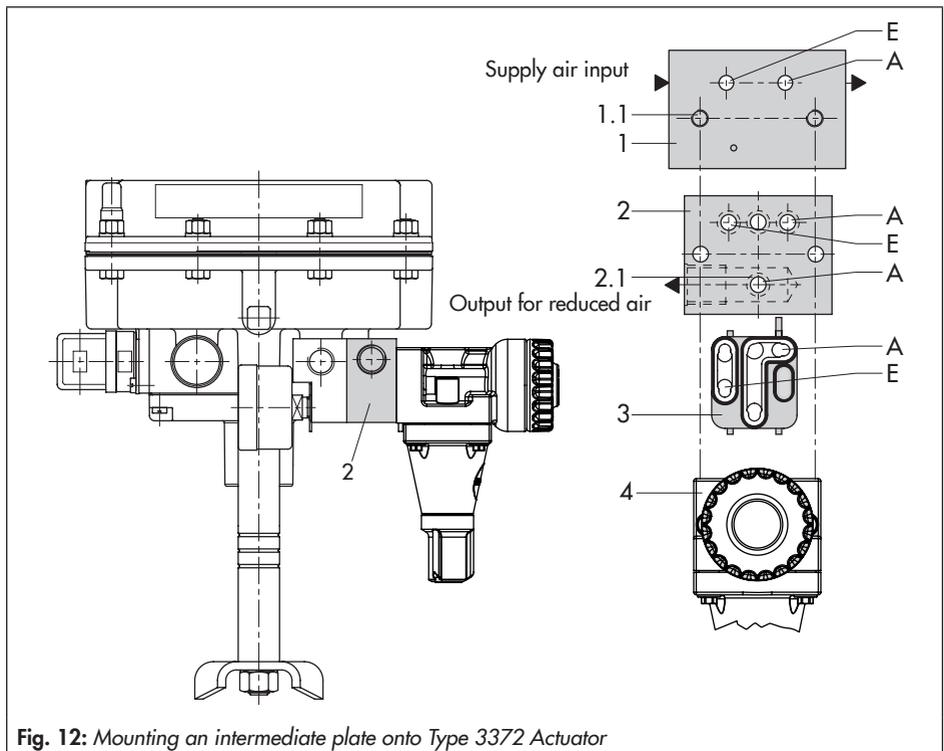


Fig. 12: Mounting an intermediate plate onto Type 3372 Actuator

5 Manual/automatic switchover

The positioner output is routed to the actuator over the manual/automatic switchover. In automatic mode, the positioner is in closed-loop operation. In manual mode, the output pressure of any supply pressure regulator is directly applied to the actuator. This creates a manual bypass of the positioner.

The manual/automatic switchover unit is mounted directly onto Types 376x and 373x (see Fig. 13) or on an adapter plate with hook-up to the actuator (Fig. 16).

The Type 4708-53 or Type 4708-54 Supply Pressure Regulator can be directly mounted. All other supply pressure regulators can be connected to the manual/automatic switchover unit using piping (hook-up).

5.1 Mounting on positioners

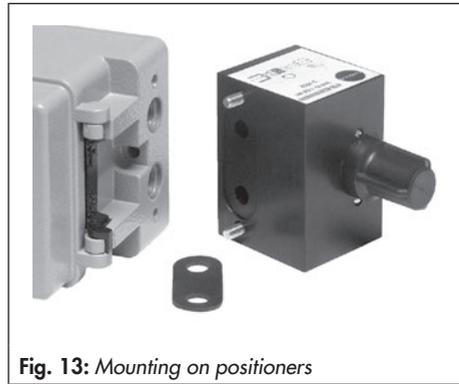


Fig. 13: Mounting on positioners

- Insert gasket into recess of the manual/automatic switchover unit.
- Fasten the manual/automatic switchover unit to the positioner using the two hexagonal socket screws.
- Connect hook-up to the SUPPLY and OUTPUT connections of the manual/automatic switchover unit.

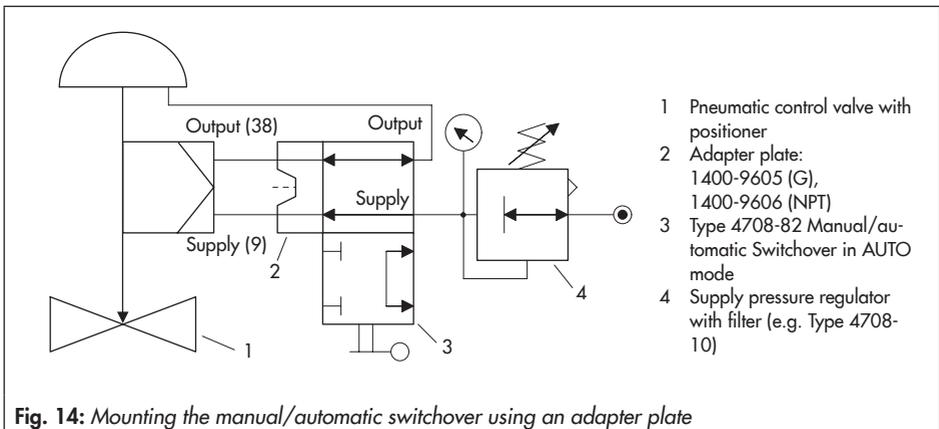


Fig. 14: Mounting the manual/automatic switchover using an adapter plate

Optionally, a Type 4708-53 Supply Pressure Regulator can be mounted upstream of the manual/automatic switchover unit (Fig. 15).



Fig. 15: Type 4708-82 Manual/automatic Switchover, Type 4708-53 Supply Pressure Regulator with pressure gauges and filter receptacle

5.2 Mounting using an adapter plate

- Fasten adapter plate, for example to a NAMUR rib using a hexagonal socket screw.
- Fit the gasket on the manual/automatic switchover unit. Fasten it to the adapter plate using the two hexagonal socket screws.



Fig. 16: Mounting using an adapter plate

- Connect hook-up for positioner and actuator as shown in Fig. 14.

5.3 Operating the manual/automatic switchover unit

In normal operation, the manual/automatic switchover runs in automatic mode, during which the positioner supplies air to the pneumatic actuator.



Fig. 17: Cap and switchover pin

To switch to manual mode, twist off the plastic cap. Turn the switchover pin counterclockwise and pull it (approx. 1 cm) out of the bayonet lock.

The compressed air is then routed directly from the supply pressure regulator or from the air supply network to the pneumatic actuator.

To switch back to automatic mode, push in the switchover pin again. To do this, insert the lock pin completely into the bayonet and lock it.

Replace plastic cap and tighten.

5.4 Filter with filter receptacle

The Types 4708-83, -84, -86 and -87 Air Filters are designed for universal use. They have either G 1/4 or 1/4-18 NPT threaded connection.



Fig. 18: Types 4708-83 Air Filter

5.4.1 Mounting the air filter

Mount the air filter directly into the pipeline, while ensuring the direction of flow (printed on the device) is kept.

- ➔ The filter receptacle must face downwards to function correctly.

6 Rotating supplementary filter

The rotating supplementary filter (Fig. 15) is designed for mounting to Type 4708-53 and Types 4708-55 to -64 Supply Pressure Regulators ¹⁾. It replaces the small integrated filter cartridge. The entire filter housing can be rotated by 360° to ensure that the condensate drain is always facing downwards.

Filter versions

Aluminum body with filter in transparent plastic receptacle

Temperature range: -25 to +70 °C,
order no. 1402-1132

Special version:

Temperature range: -50 to +70 °C,
Order no. 1402-1133

6.1 Mounting the rotating supplementary filter

1. Remove the cover and filter cartridge from the supply pressure regulator.
 2. Place the supplied seal carefully onto the groove (see arrow) of the connection.
 3. Insert connecting pipe together with seal into the supply pressure regulator and tighten the plastic coupling nut.
- Make sure that the seal does not fall out of the groove on mounting.
4. Adjust the direction of the supplementary filter until it is upright.
 5. Secure the position by tightening the hexagonal socket screw (6 mm).

¹⁾ Manufactured from 2017 onwards

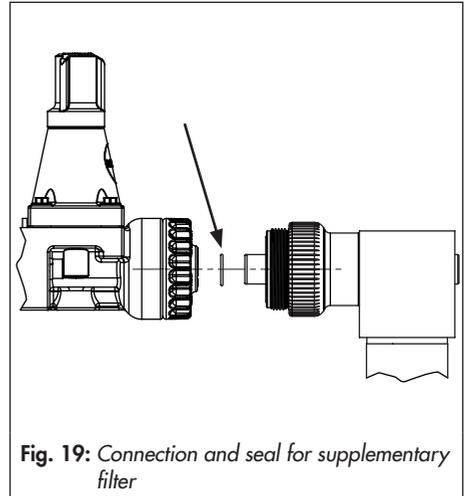


Fig. 19: Connection and seal for supplementary filter

7 Adjusting the set point

- Refer to Fig. 2
- Unscrew the cap (5) on the set point screw (7) and adjust the set point of the supply pressure regulator.
- Turning the knob or screw clockwise increases the output pressure and turning it counterclockwise reduces the output pressure.
- Lock the setting with the lock nut (8).

! NOTICE

Risk of damage to the pressure regulator due to excessively high tightening torque applied to the lock nut.

Do not exceed the maximum torque of 7 Nm.

8 Maintenance

WARNING

*Risk of injury due to high pressure.
Shut off the air line before performing work
on the supply pressure regulator.*

Drain condensed water that has collected:

- Activate the manual drainage.
 - Replace the gasket (order no. 0439-0061), if necessary.
-

Tip

We recommend to check the filter as often as possible.

9 Troubleshooting

⚠ WARNING

*Risk of injury due to high pressure.
Shut off the air line before performing work
on the supply pressure regulator.*

Leakage between supply pressure regulator and adapter plate:

- Check whether the diverting gasket (Fig. 3 and Fig. 4) is installed and the two fastening screws are tightened properly.

Excessive blow-off over the venting bore:

- Check whether the diverting gasket (Fig. 3 and Fig. 4) is installed correctly.

Air capacity drops and the output pressure drops:

- Check the filter cartridge for dirt and make sure the set point is correctly adjusted.

Pressure drop

- Unscrew the filter receptacle and renew the filter cartridge (order no. 8504-9027).

10 Spare parts and accessories

10.1 Spare parts

→ See Fig. 2 on page 9.

Article	Order numbers
Filter	
Filter cartridge (11) 20 µm, polyethylene	8504-9027
Filter cartridge (11) 5 µm including gasket, polyethylene	8504-9030
Filter cartridge (11) 5 µm, sintered stainless steel	1400-9609
Filter parts	
Screw (11.1)	8336-0790
Cap (11.2)	0339-0018
Shroud (11.3)	0339-0017
Air deflector (11.4)	0339-0016
Filter receptacle and screw plug	
Filter receptacle (13), plastic ¹⁾	1199-0423
Filter receptacle (13), aluminum ¹⁾	1199-0424
Filter receptacle (13), stainless steel ¹⁾	1199-0425
Screw plug (12)	0079-0143
Seals for filter receptacle (12.1)	
For Type 4708	-10 -11 -12 -13 -14 -17 -53 -54 -55 -62 -64
PVMQ	• • • • • • • • • • • •
NBR (free of silicone)	• • • • • • • • • • • •
PVMQ	• • • • • • • • • • • •
NBR (free of silicone)	• • • • • • • • • • • •
Pressure gauges	
Pressure gauge, entirely made of stainless steel (0 to 6 bar)	0089-0009
Pressure gauge, made of brass/stainless steel (0 to 6 bar)	0089-0018
Lock nut	0250-1949
Pressure gauge seal	
Pressure gauge, entirely made of stainless steel (0 to 1.6 bar)	0089-0014
Pressure gauge, made of brass/stainless steel (0 to 1.6 bar)	0089-0008
Pressure gauge, entirely of stainless steel (0 to 1.6 bar), inc. pressure compensation element	0089-0027
Pressure gauge, of brass/stainless steel (0 to 1.6 bar), inc. pressure compensation element	0089-0028
Pressure gauge, entirely of st. steel (0 to 6 bar), inc. pressure compensation element	0089-0025
Pressure gauge, brass/st. steel (0 to 6 bar), inc. pressure compensation element	0089-0026

¹⁾ Version compatible with paint on request

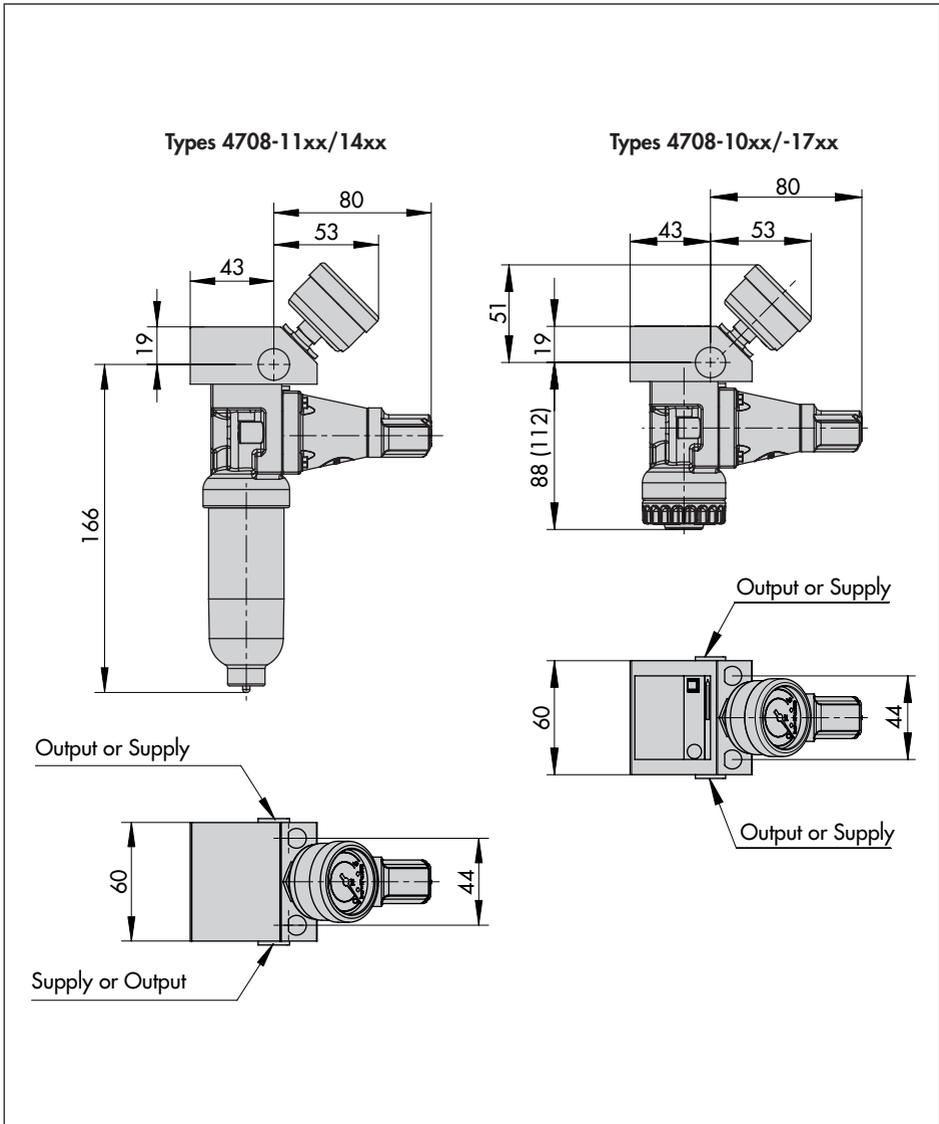
10.2 Accessories

Accessories	Order no.
Mounting parts for rail mounting according to EN 50022	1400-7341
According to EN 50035	1400-7342
Mounting parts for mounting on bracket for Type 3271 or Type 3277 Actuator	1402-0157
Intermediate plate for additional connection with Type 4708-10xx/-11xx/-53xx/-55xx/-62xx Supply Pressure Regulator (not required for Type 4708-54xx)	
Aluminum with G ¼ thread	1400-7400
Aluminum with ¼ NPT thread	1400-7404
Stainless steel with G ¼ thread	1400-7402
Stainless steel with ¼ NPT thread	1400-7406
Special screw to mount Type 4708-54xx on Type 3710 Reversing Amplifier	1400-7806
Adjustment knob for set point adjustment	1400-7408
Nut for panel mounting	1400-7725
Adapter plate for manual/automatic switchover (Type 4708-82)	
Aluminum with G ¼ thread	1400-9605
Aluminum with ¼ NPT thread	1400-9606
Stainless steel with G ¼ thread	1400-9607
Stainless steel with ¼ NPT thread	1400-9608
Adapter plate (from Type 3710) to mount Type 4708-53 on all old versions of Types 3766, 3767 or 3780 Positioner	1400-9621
Filter cartridge 5 µm, sintered stainless steel (replacement part)	1400-9609
Rotating supplementary filter ¹⁾ for Type 4708-55 to -64: Temperature range: -25 to +70 °C	1402-1132
Temperature range: -50 to +70 °C	1402-1133
Grease for silicone-free version	1402-1149
Grease for natural gas version	1402-1150
Grease for low-temperature version	1402-1151

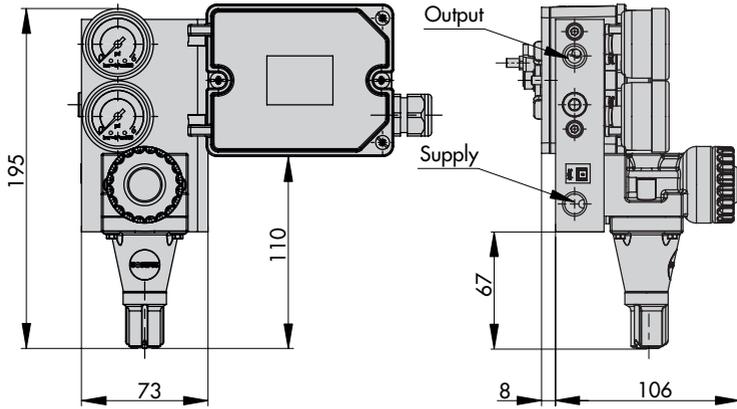
¹⁾ Manufactured from 2017 onwards

11 Dimensions in mm

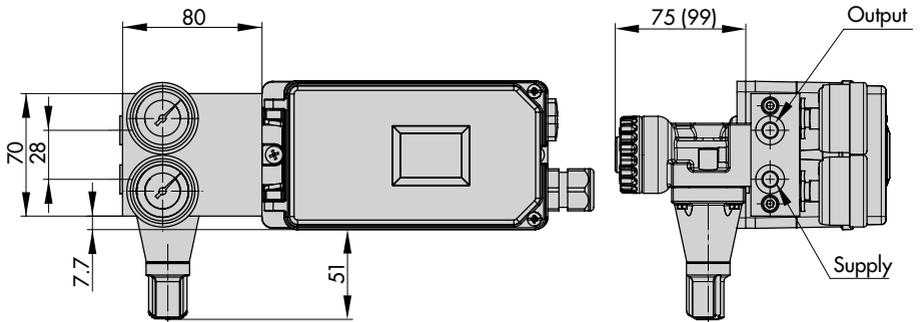
(specifications in parentheses apply to additional compressed air connection, see page 39)



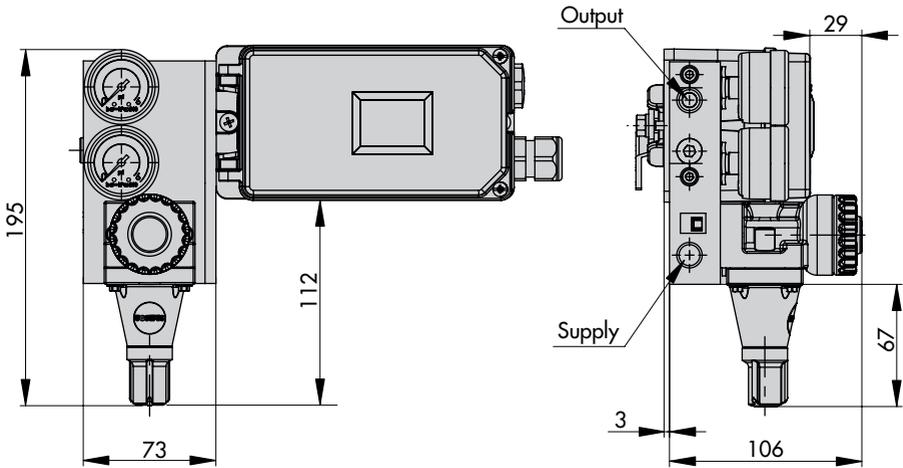
Type 4708-54xx mounted onto Type 3725 Positioner



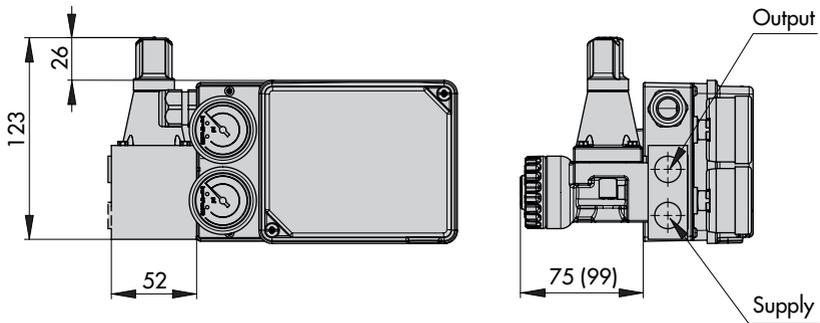
Type 4708-53xx mounted onto Types 376x and 373x Positioners



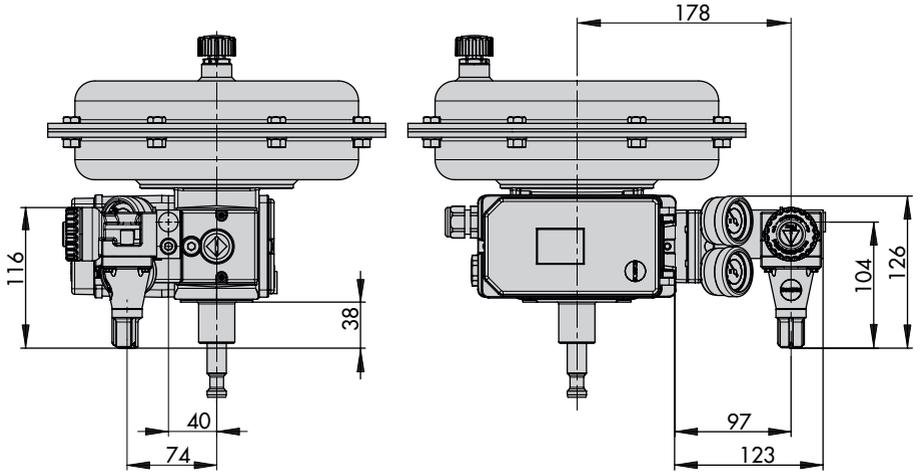
Type 4708-54xx mounted onto Types 376x and 373x Positioners



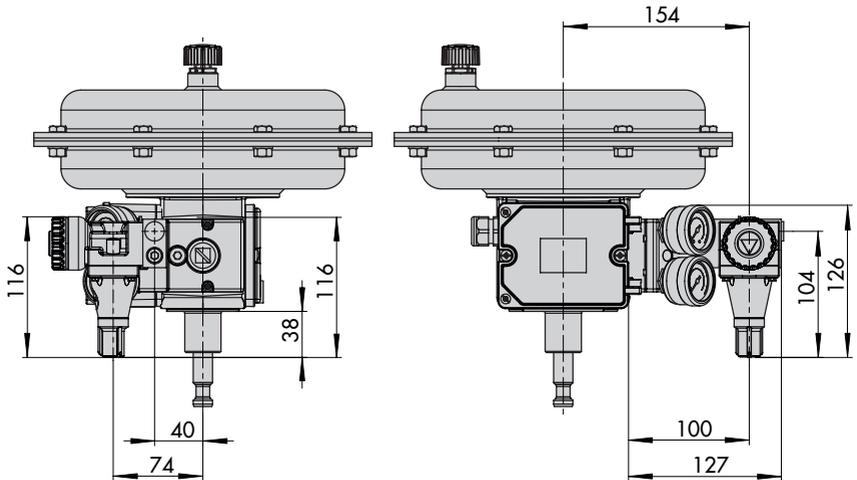
Type 4708-55xx mounted onto Type 4763 or 4765 Positioner



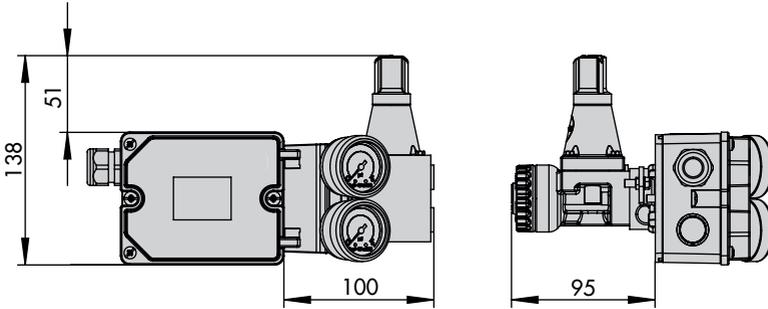
Type 4708-64xx for Type 3277 Pneumatic Actuator
and Type 376x or 373x Positioner



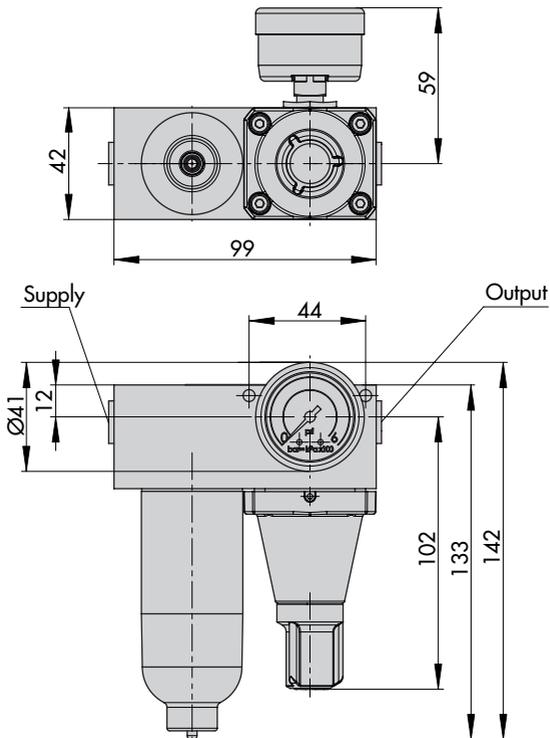
Type 4708-64xx for Type 3277 Pneumatic Actuator
and Type 3725 Positioner



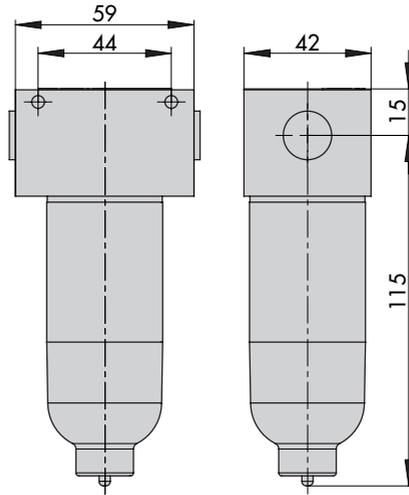
Type 4708-55xx mounted onto Type 3725 Positioner



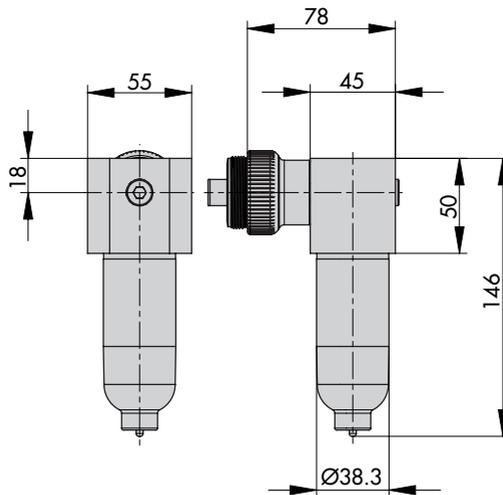
Types 4708-12xx/-13xx Supply Pressure Regulators



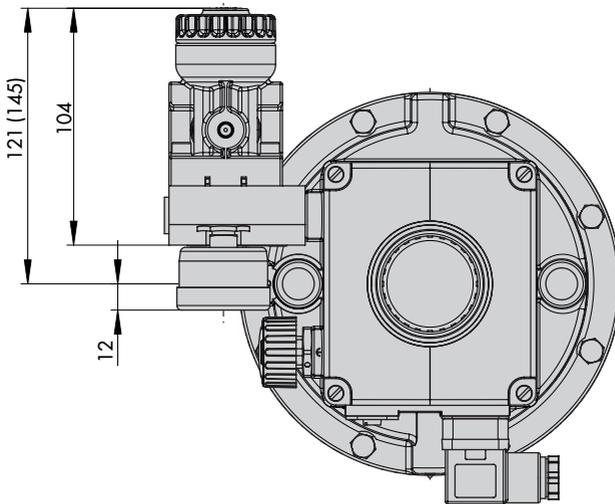
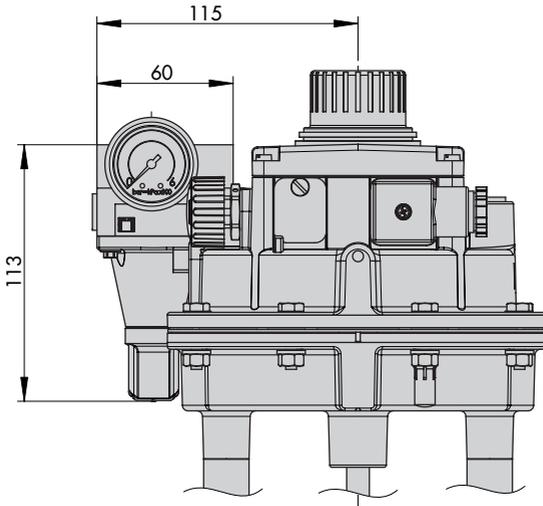
Types 4708-83xx/-84xx/-86xx/-87xx Air Filter



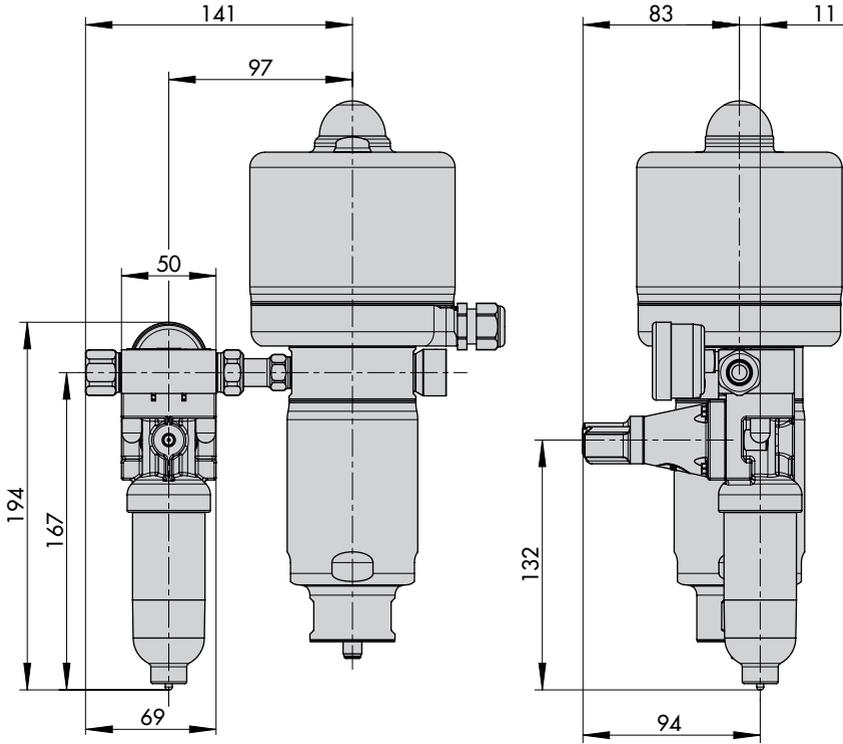
Rotatable filter receptacle



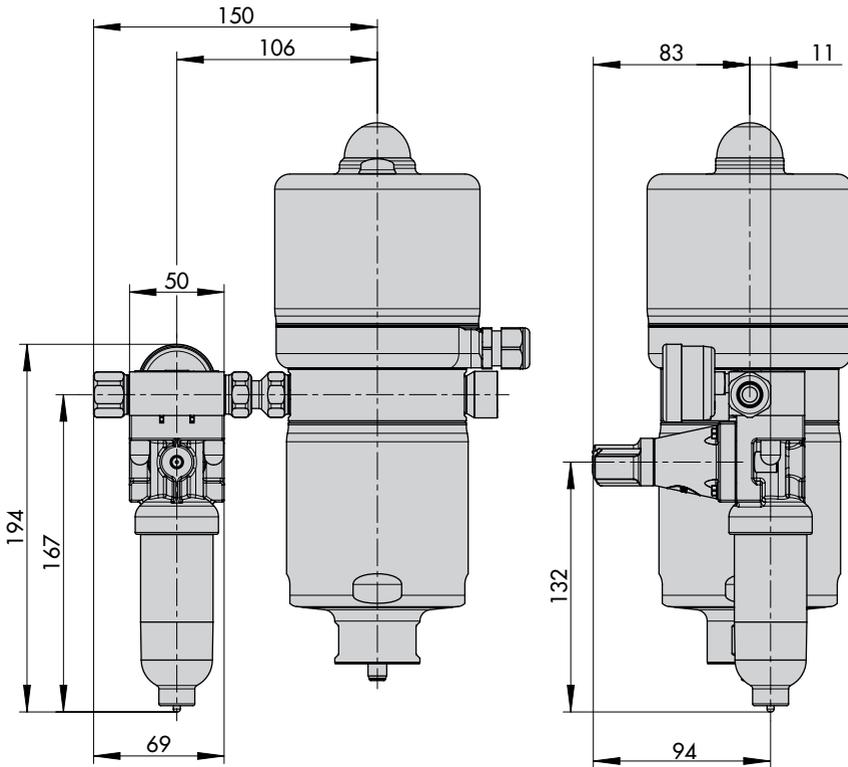
Type 4708-62xx Supply Pressure Regulator for Type 3372 Pneumatic Actuator



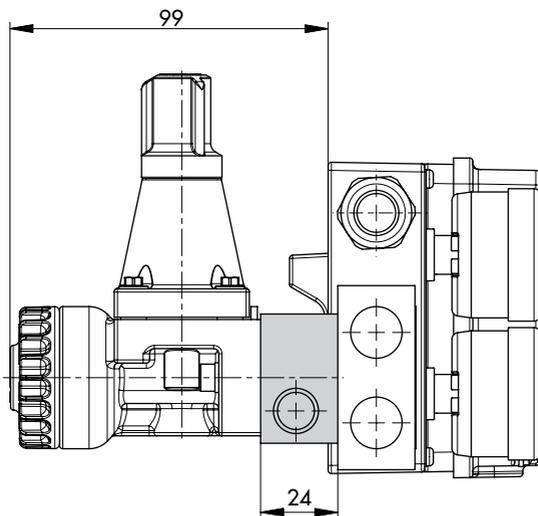
Type 4708-65xx Supply Pressure Regulator for Type 3379 Pneumatic Actuator (31 cm²)



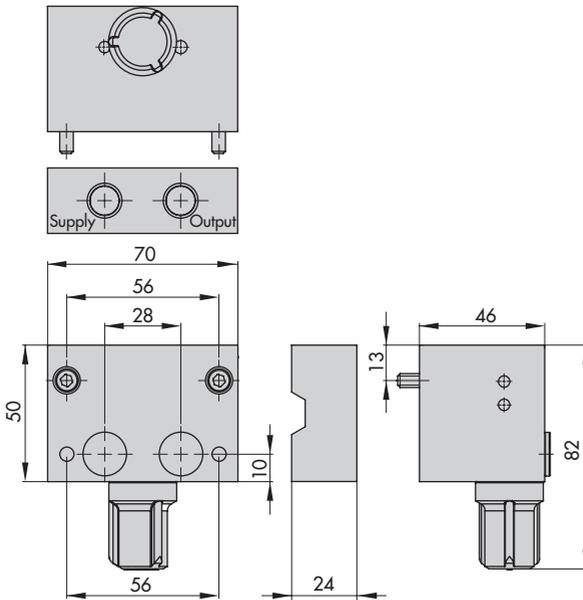
Type 4708-66xx Supply Pressure Regulator for Type 3379 Pneumatic Actuator (63 cm²)



Intermediate plate for additional compressed air
shown here: Type 4708-55xx



Type 4708-82 Manual/automatic Switchover with adapter plate



EB 8546 EN



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