

PRODUCT DATA SHEET

VALVES AND REGULATORS (ASSEMBLIES)



KEY DATA

- Assemblies and accessories for medical devices
- Valves & regulators in compact designs
- Control of water and/or air
- Complete product range available at www.mytronic-dental.com

DESCRIPTION OF THE PRODUCT RANGE

The Mytronic product range contains the following valves, regulators, switches and distributors to meet various requirements in the medical technology sector:

- Servo valves for air or water regulation (SV1.1 & SV4)
- Rotary switch for air on/off
- Electro pneumatic air activated pressure switch (normally open)
- Electro pneumatic air activated pressure switch (normally closed)
- Mini flow regulator for air/water for built-in use
- Reducing valve
- Pressure regulator with quick plug connector
- Check valve (with/without deaeration)
- Pilot valve for water flow rate
 - up to 300 ml
 - up to 3,000 ml
- Angled pilot valve with deaeration
- Holder valve for instrument control
- Holder bar and accessories
- Smart holder and accessories

These products have a 12-month warranty from the date of purchase. For further information, refer to Mytronic's General Terms and Conditions.

TECHNICAL DATA

Please refer to the descriptions of the individual assemblies for the relevant technical product data.

INSTALLATION

Installation must be carried out by a service technician only.

Please refer to the descriptions of the individual assemblies for the relevant installation dimensions.

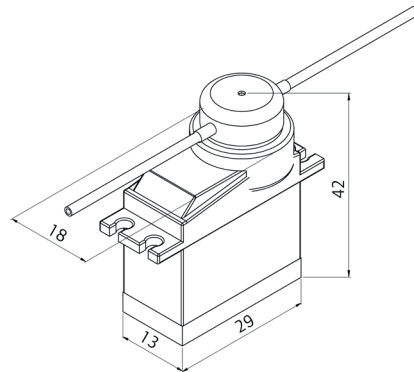


SERVO VALVE SV1.1 FOR AIR OR WATER REGULATION



PRODUCT DATA

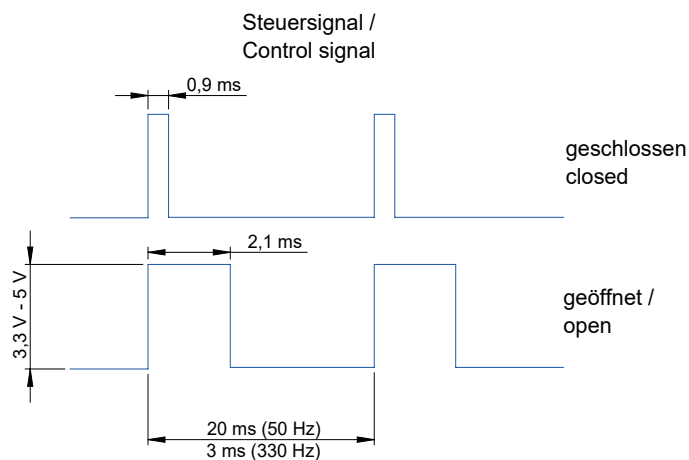
Order number	351.501.1
Weight	26.5 g
Dimensions	42.0 x 13.0 (18.0) x 39.0 mm
Operating voltage	4.5 V to 8.5 V
Torque at 6.0V	6.9 kg-cm/95.8 oz-in
Torque at 8.4V	9.7 kg-cm/134.7 oz-in
Speed at 6.0V	0.13 s/60° without load
Speed at 8.4V	0.10 s/60° without load
Air flow rate (100%; 6.0 bar)	Max. 24.0 l/min.
Water flow rate (100%; 6.0 bar)	Max. 600 ml/min.
Operating temperature	-20°C to +60°C
Plug connection	JR1 servo socket
Earth servo cable (GND)	Brown
Control signal servo cable	Orange
+4.5 to 8.5 V servo cable	Red
Ball bearing	Double
Metal gear	Yes
Motor type	Coreless Motor
Inlet nipple diameter	2.1 mm
Outlet nipple diameter	2.1 mm



PRODUCT DESCRIPTION AND INSTALLATION

The servo valve is used to regulate water and air. Regulation is subject to the applied control signal and can be determined from the diagrams provided below.

The valve should be used only as a regulation and not as a shut-off of the media.



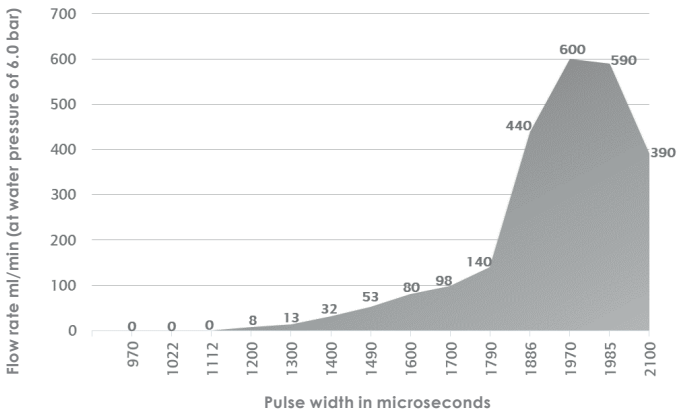
INTENDED USE

Only use with air and water as well as with flexible hoses. Flexible connection hoses and hose fittings available as options. Recommended internal diameter of hose: 1.5 mm

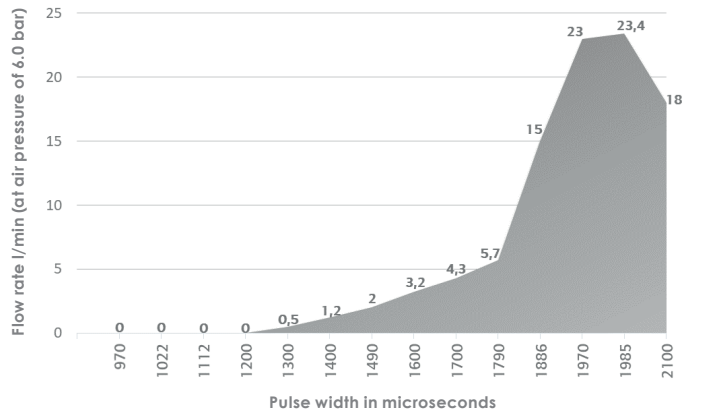
The power supply is 4.5 V to 8.5 V. Current consumption is approx. 10 mA when idle and approx. 50–250 mA in operation. Please note that brief current peaks of up to 1 A may occur. The specification of the control signal can be taken from the diagram.

The control signal should be switched off after the control angle has been reached. A servo valve that is permanently in control has a direct influence on the service life of the motor.

WATER FLOW RATE*



AIR FLOW RATE*



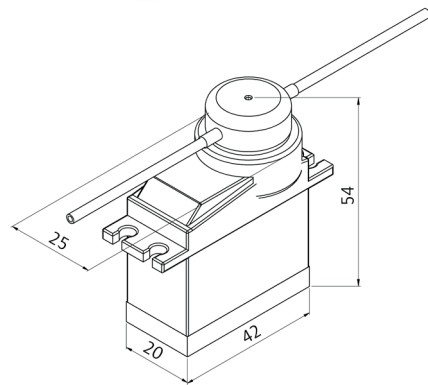
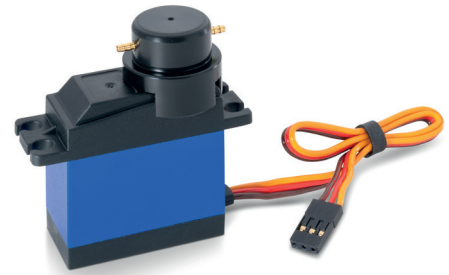
* The information provided above serves as a guide and does not release you from the obligation to carry out your own checks of our statements and products to ensure their suitability for the intended procedures and purposes

SERVO VALVE SV4 FOR AIR OR WATER REGULATION



PRODUCT DATA

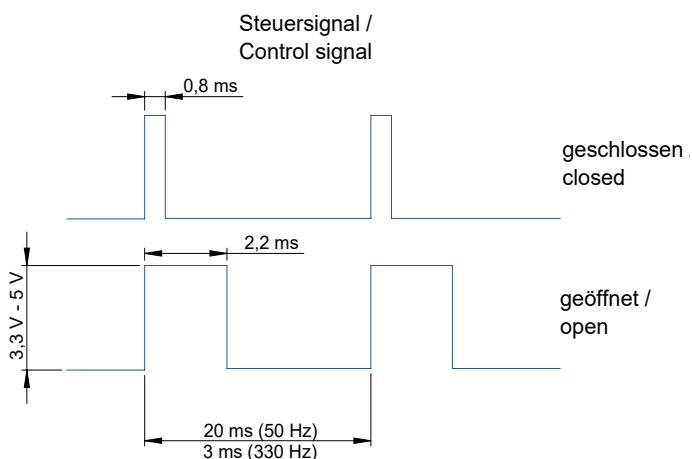
Order number	351.504
Weight	69.0 g
Dimensions	42.0 x 20.0 (25.0) x 54.0 mm
Operating voltage	4.8 Volt to 8.5 Volt
Torque at 4.8V	6.5 kg-cm
Torque at 7.4V	10.0 kg-cm
Speed at 4.8V	0.11 s/60° without load
Speed at 8.4V	0.07 s/60° without load
Air flow rate (100%; 4.0 bar)	Max. 4.0 l/min.
Water flow rate (100%; 2.0 bar)	Max. 75 ml/min.
Operating temperature	-20°C to +60°C
Plug connection	JR1 servo plug
Earth servo cable (GND)	Brown
Control signal servo cable	Orange
+6.0 to 8.0 V servo cable	Red
Ball bearing	Double
Metal gear	Yes
Inlet nipple diameter	2.1 mm
Outlet nipple diameter	2.1 mm



PRODUCT DESCRIPTION AND INSTALLATION

The servo valve is used to regulate water and air. Regulation is subject to the applied control signal and can be determined from the diagrams provided below.

The valve should be used only as a regulation and not as a shut-off of the media.



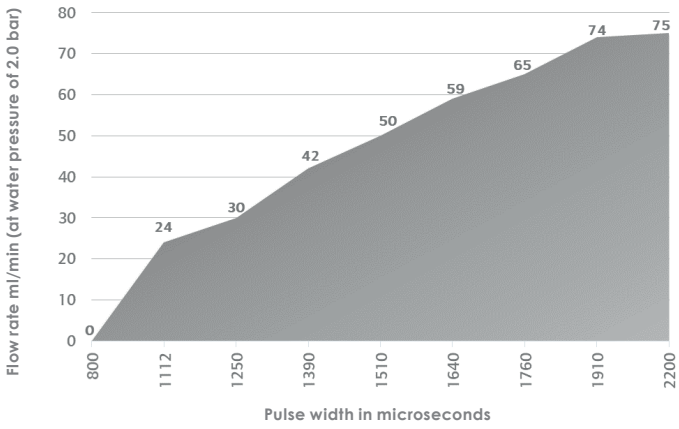
INTENDED USE

Only use with air and water as well as with flexible hoses. Flexible connection hoses and hose fittings available as options. Recommended internal diameter of hose: 1.5 mm.

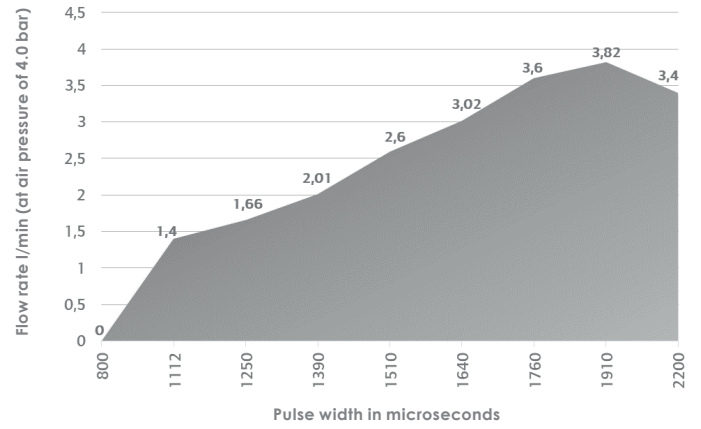
The power supply is 4.58 V to 8.5 V. Current consumption is approx. 300 mA. Please note that brief current peaks of up to 2 A may occur.

The specification of the control signal can be taken from the diagram. The control signal should be switched off after the control angle has been reached. A servo valve that is permanently in control has a direct influence on the service life of the motor.

WATER FLOW RATE*



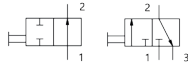
AIR FLOW RATE*



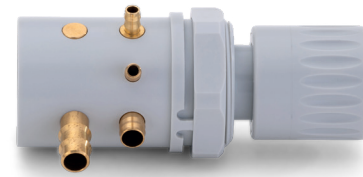
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ROTARY SWITCH FOR AIR ON/OFF

PRODUCT DATA



Order number	8101.042.**.**.**.**
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	23.6 g
Dimensions (W x H)	22.0 x 55.0 mm
Connecting nipple	See product range below
Inlet pressure	Max. 6.0 bar



Inlet nipple

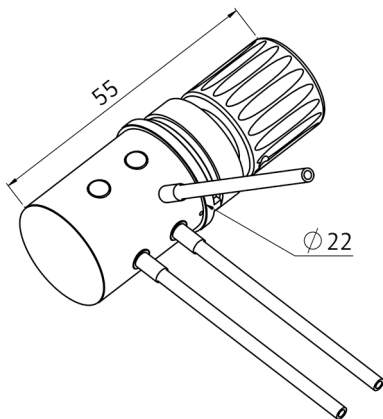
Outlet nipple

PRODUCT DESCRIPTION AND INSTALLATION

Rotary switch for switching air on and off. Please refer to the drawing below for the hole pattern required to install the device.

The rotary switch has 2 air inlets and 3 air outlets.
 ON – choice of between 1 and 2 air inlets
 OFF – choice of between 1 and 3 air outlets

VIEW



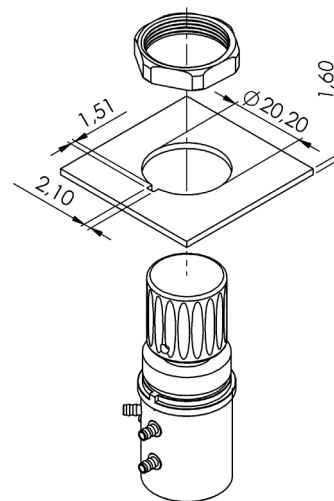
INTENDED USE

Only use with air as well as with flexible hoses.







Recommended internal diameter of hose:
 Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.

DIMENSIONS



PRODUCT RANGE FOR ROTARY SWITCH

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.042.17.17.17.17		With 2 air inlets and 3 air outlets with 1.7 mm nipples
8101.042.26.26.26.26		With 2 air inlets and 3 air outlets with 2.6 mm nipples The number and size of the nipples can be individually modified at the customer's request
8101.042.415.26.26.41		With 1 air inlet with 4.15 mm nipple and 3 air outlets with 2 x 2.6 mm nipples and 1 x 4.1 mm nipple
8101.042.415.26.41		With 1 air inlet with 4.15 mm nipple and 2 air outlets with 2.6 mm and 4.1 mm nipples
8101.042.52.26.26.41		With 1 air inlet with 5.2 mm nipple and 3 air outlets with 2 x 2.6 mm nipples and 1 x 4.1 mm nipple
8101.042.52.26.41		With 1 air inlet with 5.2 mm nipple and 2 air outlets with 2.6 mm and 4.1 mm nipples

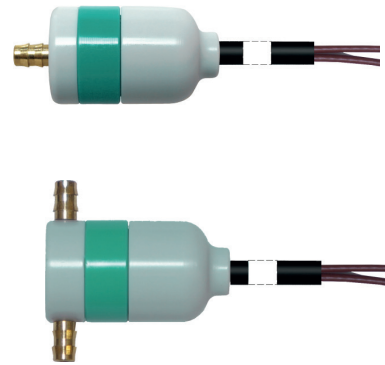
*Illustration may differ from the original

ELECTRO PNEUMATIC AIR ACTIVATED PRESSURE SWITCH (NORMALLY OPEN)

PRODUCT DATA



Order number	8101.59611.**.05 with straight inlet 8101.59621.**.05 with side inlet
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	4.0 g (with straight inlet) 4.8 g (with side inlet)
Dimensions (W x H)	12.0 x 17.0 mm or 12.0 x 19.0 mm
Connecting nipple	See product range below
Pressure switch point	Between 0.5 to 1.5 bar
Max. operating pressure	6.0 bar
Electrical design	Normally open contact
Electrical connections	0.25 mm ²
Connection medium	Air
Permissible current	Max. 50.0 mA
Wire length	300 mm (stripped)



PRODUCT DESCRIPTION AND INSTALLATION

Pressure switch for converting a pneumatic signal into an electrical signal. Pay attention to the start-up pressure.

Normally open: start-up pressure of between 0.5 and 1.5 bar; switching power 12.0 V/50.0 mA

INTENDED USE

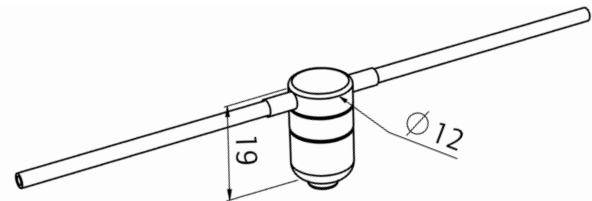
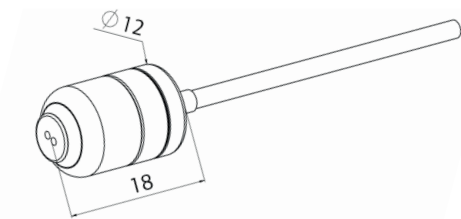
Only use with air as well as with flexible hoses.

Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm







The size of the connecting nipples can be custom-configured if necessary.

VIEW

VIEW



PRODUCT RANGE FOR PRESSURE SWITCH

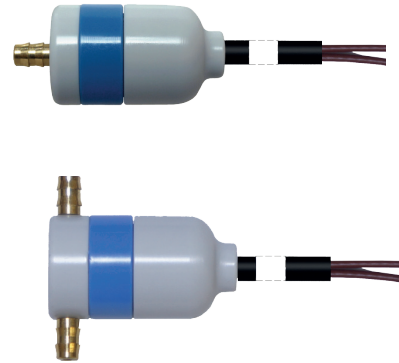
ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.59611.17.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with straight inlet, 1 x 1.7 mm nipple, stripped wire ends
8101.59611.21.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with straight inlet, 1 x 2.1 mm nipple, stripped wire ends
8101.59611.26.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with straight inlet, 1 x 2.6 mm nipple, stripped wire ends
8101.59621.17.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with side inlets, 2 x 1.7 mm nipples, stripped wire ends
8101.59621.21.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with side inlets, 2 x 2.1 mm nipples, stripped wire ends
8101.59621.26.05		Pressure switch 1.5 bar/DC 12.0 V/50.0 mA NO Normally open, with side inlets, 2 x 2.6 mm nipples, stripped wire ends

*Illustration may differ from the original

ELECTRO PNEUMATIC AIR ACTIVATED PRESSURE SWITCH (NORMALLY CLOSED)

PRODUCT DATA

Order number	8101.59511.**.05 with straight inlet 8101.59521.**.05 with side inlet
Material	POM
Available colours*: <small>*Similar to RAL</small>	Standard = grey RAL 7035
Weight	4.0 g (with straight inlet) 4.8 g (with side inlet)
Dimensions (W x H)	12.0 x 18.0 mm or 12.0 x 19.0 mm
Connecting nipple	See product range below
Pressure switch point	Between 0.5 and 2.2 bar
Max. operating pressure	6.0 bar
Electrical design	Normally closed contact
Electrical connections	0.25 mm ²
Connection medium	Air
Permissible current	Max. 50.0 mA
Wire length	300 mm (stripped)



PRODUCT DESCRIPTION AND INSTALLATION

Pressure switch for converting a pneumatic signal into an electrical signal. Pay attention to the start-up pressure.

Normally closed: start-up pressure of between 0.5 and 2.2 bar; switching power 12.0 V/50.0 mA

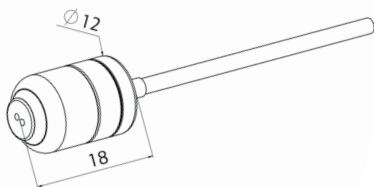
INTENDED USE

Only use with air as well as with flexible hoses.

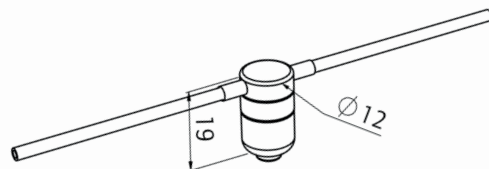
Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.








VIEW



VIEW



PRODUCT RANGE FOR PRESSURE SWITCH

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.59511.17.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with straight inlet, 1 x 1.7 mm nipple, stripped wire ends
8101.59511.21.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with straight inlet, 1 x 2.1 mm nipple, stripped wire ends
8101.59511.26.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with straight inlet, 1 x 2.6 mm nipple, stripped wire ends
8101.59511.36.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with straight inlet, 1 x 3.6 mm nipple, stripped wire ends
8101.59521.17.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with side inlet, 1 x 1.7 mm nipple, stripped wire ends
8101.59521.21.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with side inlet, 1 x 2.1 mm nipple, stripped wire ends
8101.59521.26.05		Pressure switch 2.2 bar/DC 12.0 V/50.0 mA NC Normally closed, with side inlet, 1 x 2.6 mm nipple, stripped wire ends

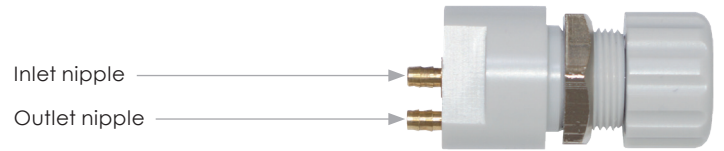
*Illustration may differ from the original

MINI FLOW REGULATOR FOR AIR/WATER FOR BUILT-IN USE



PRODUCT DATA

Order number	8101.002.05
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	10.6 g
Dimensions (W x H)	17.0 x 31.0 mm
Connecting nipple	2.0 x 2.6 mm
Thread	M12 x 0.75
Air flow rate at 6.0 bar	11.5 l/min +/- 2.5 l/min
Water flow rate at 4.0 bar	190 ml/min +/- 16.5 ml/min
Inlet pressure	Max. 6.0 bar



PRODUCT DESCRIPTION AND INSTALLATION

Flow regulator for built-in use and a hole measuring 12.7 mm.

Inlet nipple \varnothing 2.6 mm
 Outlet nipple \varnothing 2.6 mm

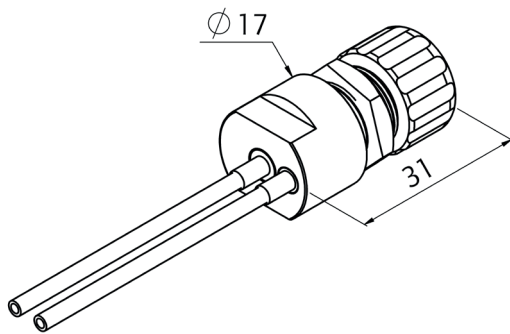
INTENDED USE

Only use with air and water as well as with flexible hoses.

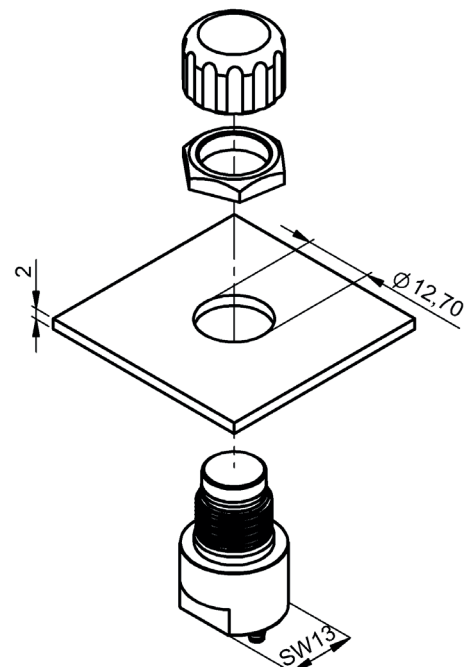
Recommended internal diameter of hose:
 Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.

VIEW



DIMENSIONS



REDUCING VALVE

PRODUCT DATA



Order number	8101.599.**.**
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	3.0 g
Dimensions (W x H)	12.9 x 16.4 mm
Connecting nipple	See product range below
Inlet pressure	Max. 8 bar (must be higher than outlet pressure)
Outlet pressure (selectable)	0.5 to 3.0 bar
Outlet pressure tolerance	+/-0.2 bar



Laser marking depends on the item selected.

PRODUCT DESCRIPTION AND INSTALLATION

Pressure regulator for installation in a hose or line system consisting of flexible hoses. Despite varying pressures on the inlet side, the pressure regulator ensures that the selected outlet pressure is not exceeded on the outlet side.

Fixed outlet pressure; a value of between 0.5 and 3.0 bar can be selected (see table below).

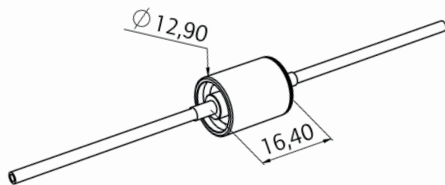
INTENDED USE

Only use with air and water as well as with flexible hoses.



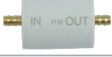
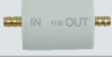
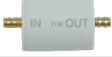



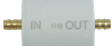
Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.

VIEW



PRODUCT RANGE FOR PRESSURE REGULATOR

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.599.05.21.21		Pressure regulator AD 12.9 x 16.4 mm 0.5 bar +/-0.2 bar, inlet nipple 2.1 mm, outlet nipple 2.1 mm
8101.599.10.26.26		Pressure regulator AD 12.9 x 16.4 mm 1.0 bar +/-0.2 bar, inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.599.15.26.26		Pressure regulator AD 12.9 x 16.4 mm 1.5 bar +/-0.2 bar, inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.599.20.26.26		Pressure regulator AD 12.9 x 16.4 mm 2.0 bar +/-0.2 bar, inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.599.20.36.36		Pressure regulator AD 12.9 x 16.4 mm 2.0 bar +/-0.2 bar, inlet nipple 3.6 mm, outlet nipple 3.6 mm
8101.599.25.26.26		Pressure regulator AD 12.9 x 16.4 mm 2.5 bar +/-0.2 bar, inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.599.25.31.31		Pressure regulator AD 12.9 x 16.4 mm 2.5 bar +/-0.2 bar, inlet nipple 3.1 mm, outlet nipple 3.1 mm
8101.599.30.26.26		Pressure regulator AD 12.9 x 16.4 mm 3.0 bar +/-0.2 bar, inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.599.30.31.31		Pressure regulator AD 12.9 x 16.4 mm 3.0 bar +/-0.2 bar, inlet nipple 3.1 mm, outlet nipple 3.1 mm

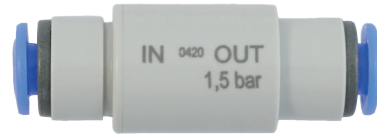
*Illustration may differ from the original

PRESSURE REGULATOR WITH QUICK PLUG CONNECTOR

PRODUCT DATA



Order number	8101.699.**.S4.S4
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	6.7 g
Dimensions (W x H)	13.7 x 39.0 mm
Connecting nipple	See product range below
Inlet pressure	Max. 8.0 bar
Outlet pressure (selectable)	0.5 to 3.0 bar
Outlet pressure tolerance	+/-0.2 bar



Laser marking depends on the item selected.

PRODUCT DESCRIPTION AND INSTALLATION

Pressure regulator for installation in a hose or line system consisting of rigid hoses. Despite varying pressures on the inlet side, the pressure regulator ensures that the selected outlet pressure is not exceeded on the outlet side.

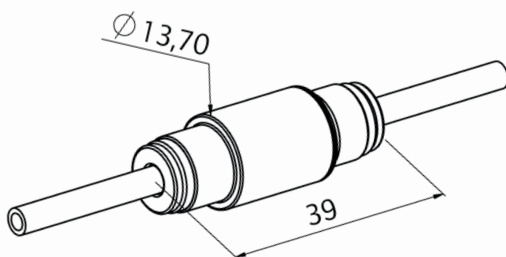
Fixed outlet pressure; a value of between 0.5 and 3.0 bar can be selected (see table below).

INTENDED USE







Only use with air and water as well as with rigid hoses.

Recommended outside diameter of hose: 4.0 mm

VIEW



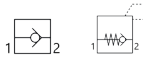
PRODUCT RANGE FOR PRESSURE REGULATOR WITH QUICK PLUG CONNECTOR

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.699.05.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 0.5 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses
8101.699.10.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 1.0 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses
8101.699.15.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 1.5 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses
8101.699.20.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 2.0 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses
8101.699.25.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 2.5 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses
8101.699.30.S4.S4		Pressure regulator with quick plug connector AD 13.75 x 39.00 mm 3.0 bar +/-0.2 bar, hose outside Ø 4.0 mm, for rigid hoses

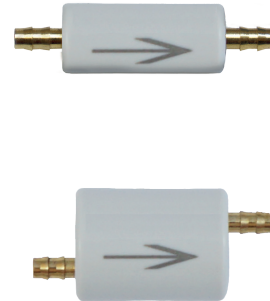
*Illustration may differ from the original

CHECK VALVE (WITHOUT/WITH DEAERATION)

PRODUCT DATA



Order number	8101.58610.** ** Check valve without deaeration 8101.58620.** ** Check valve with deaeration
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	1.0 g Check valve without deaeration 1.9 g Check valve with deaeration
Dimensions (W x H)	6.0 x 14.0 mm or 10.0 x 13.5 mm
Connecting nipple	See product range below
Inlet pressure	Max. 6.0 bar



PRODUCT DESCRIPTION AND INSTALLATION

Check valve to prevent backflow of air. The check valve is available with or without deaeration on the outlet side.

It is available in various sizes as well as with different connecting nipples.

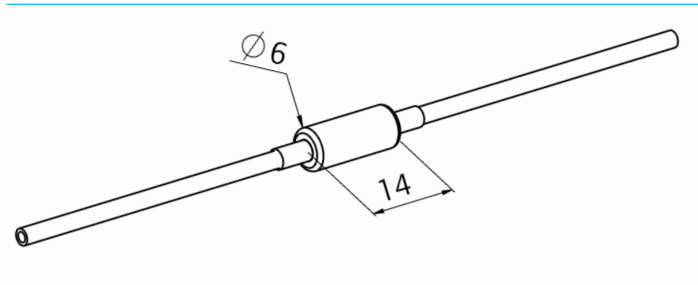
INTENDED USE

Only use with air as well as with flexible hoses.

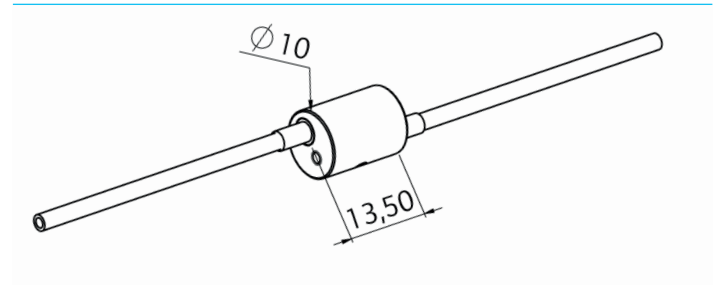
Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.





VIEW (WITHOUT AERATION)



VIEW (WITH AERATION)



PRODUCT RANGE FOR CHECK VALVE

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.58610.21.21		Check valve AD 6.0 x 14.0 mm Inlet nipple 2.1 mm, outlet nipple 2.1 mm
8101.58610.26.26		Check valve AD 6.0 x 14.0 mm Inlet nipple 2.6 mm, outlet nipple 2.6 mm
8101.58620.21.21		Check valve with deaeration AD 10.0 x 13.5 mm Inlet nipple 2.1 mm, outlet nipple 2.1 mm
8101.58620.26.26		Check valve with deaeration AD 10.0 x 13.5 mm Inlet nipple 2.6 mm, outlet nipple 2.6 mm

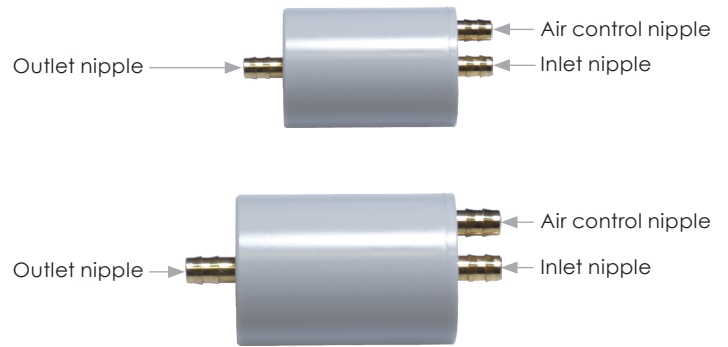
*Illustration may differ from the original

PILOT VALVE FOR WATER FLOW RATE (UP TO 300 ML OR 3,000 ML)



PRODUCT DATA

Order number	8101.60021.05 Pilot valve up to 300 ml 8101.60146.05 valve up to 3,000 ml
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	4,2 g Pilot valve up to 300 ml 6,9 g Pilot valve up to 3,000 ml
Dimensions (W x H)	13.0 x 19.0 mm or 16.0 x 21.0 mm
Connecting nipple	See product range below
Water flow rate	300 ml/min or 3,000 ml/min at 2.5 bar
Control air	2.0 bar



PRODUCT DESCRIPTION AND INSTALLATION

The pilot valve for controlling water/air is available in versions with a water flow rate of 300 ml/min and 3,000 ml/min.

In the neutral position, the valve is closed (no control air supplied).

When control air is supplied, the valve switches (water inlet/water outlet). After the control air has been withdrawn, the valve switches back to the neutral position and is closed.

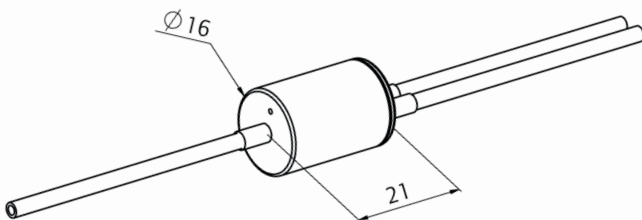
INTENDED USE

Only use with air and water as well as with flexible hoses.




Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm

The size of the connecting nipples can be custom-configured if necessary.

VIEW (UP TO 300 ML)



PRODUCT RANGE FOR PILOT VALVE FOR WATER FLOW RATE

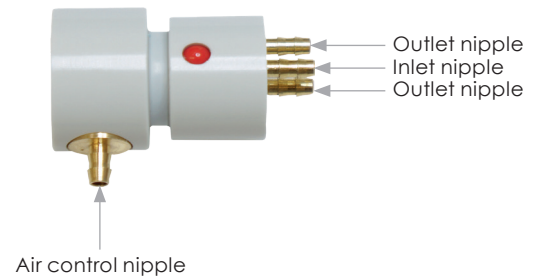
ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8101.60021.05		Pilot valve for air/water Water 300 ml/min at 2.5 bar, inlet/outlet nipple 2 x 2.1 mm, control air nipple 2.1 mm
8101.60026.05		Pilot valve for air/water Water 300 ml/min at 2.5 bar, inlet/outlet nipple 2 x 2.6 mm, control air nipple 2.6 mm
8101.60146.05		Pilot valve for air/water Water 3000 ml/min at 2.5 bar, inlet/outlet nipple 2 x 4.6 mm, control air nipple 2.6 mm

*Illustration may differ from the original

ANGLED PILOT VALVE WITH DEAERATION

PRODUCT DATA

Order number	8101.5831.05
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	4.5 g
Dimensions (W x H)	15.0 x 18.0 mm
Connecting nipple	2.1 x 2.1 mm
Control air pressure	1.5 bar/2.0 bar/2.5 bar
Inlet air pressure	4.0 bar/5.0 bar/6.0 bar
Outlet air pressure	4.0 bar/5.0 bar/6.0 bar



PRODUCT DESCRIPTION AND INSTALLATION

When the control air is supplied at 1.5 bar, the air at the inlet nipple switches to the two outlet nipples.

The required control air must be set lower than the required working pressure.

INTENDED USE

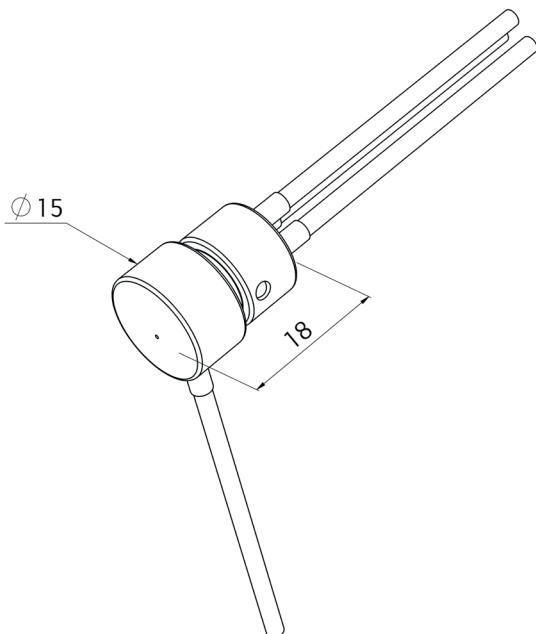
Used to control air in the pneumatic system.

Only use with flexible hoses.

Recommended internal diameter of hose:
Inlet/outlet nipple diameter minus 0.6 mm

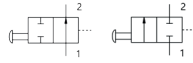
The size of the connecting nipples can be custom-configured if necessary.

VIEW (WITHOUT AERATION)

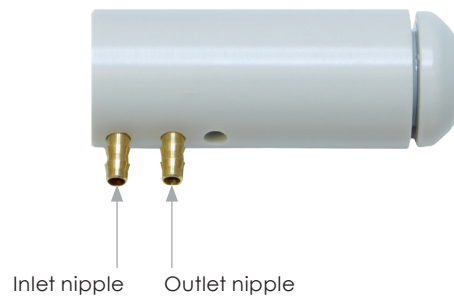


HOLDER VALVE FOR INSTRUMENT CONTROL

PRODUCT DATA



Order number (illustration)	8101.587100 (normally open) 8101.587400.05 (normally closed)
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035
Weight	4.9 g
Dimensions (W x H)	12.0 x 34.0 mm
Connecting nipple	2.1 mm
Inlet pressure	Max. 6,0 bar



PRODUCT DESCRIPTION AND INSTALLATION

Valve for installation in the Mytronic holder bar or smart holder. When compressed air is present at the inlet nipple, the piston on the holder valve extends and the compressed air is diverted to the outlet nipple.

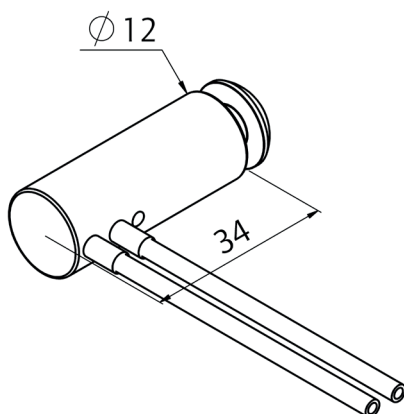
Example of normally open design:

When the holder valve is actuated (when the instrument is placed back in the holder), the outlet nipple is no longer supplied with compressed air and the line is purged.

Example of normally closed design:

When compressed air is present at the inlet nipple, the piston on the holder valve extends and the outlet side is purged. When the holder valve is actuated (when the instrument is placed back in the holder), the compressed air is diverted to the outlet nipple.

VIEW



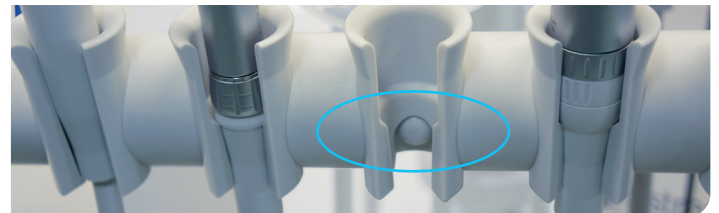
INTENDED USE

The holder valves are to be used with the Mytronic holder bars and smart holder systems. They are also suitable for integration in customer systems or existing systems.

Only use with air as well as with flexible hoses.

Recommended internal diameter of hose: 1.5 mm

POSITION OF THE HOLDER VALVE IN THE MYTRONIC STANDARD HOLDER



For details, see the 'Holder bar and accessories' section on the next page

HOLDER BAR AND ACCESSORIES

PRODUCT DATA

Order number	See product range below
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035

PRODUCT DESCRIPTION AND INSTALLATION

The holder system is available as a bar with four or six holders. It is intended for use as an attachment to a treatment unit.











The holder bar handle can be mounted at either end. The thread cover is used to seal the end that is not being used for the handle. The holder bar is rotatable; see the illustration of the MedtroCart below.

To attach this product to your own system, you will need additional parts which are available from Mytronic.

Example of use on MedtroCart:



PRODUCT RANGE FOR HOLDER BAR AND ACCESSORIES

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
8001.101.K4.2		Holder bar for 4 holders, dimensions 41 x 220 mm, made of POM with internal thread incl. M3 and M5 grub screws
8001.101.K6.2		Holder bar for 6 holders, dimensions 41 x 315 mm, made of POM with internal thread incl. M3 and M5 grub screws
1101.4732.05		Holder bar handle with M16 x 1.5 external thread, dimensions 35 x 90 mm, made of POM to adjust the angle of inclination of the holder bar
1101.47331.05		Thread cover Ø 28 mm, made of POM to seal the end of the holder bar not being used for the handle
1101.4751		Standard holder for turbine, motor, dimensions 30 x 54 mm, made of POM to match the holder bar
1101.4752		Standard holder for syringe, dimensions 30 x 54 mm, made of POM to match the holder bar
1101.4752.1		Standard holder for Luzzani syringe, dimensions 30 x 54 mm, made of POM to match the holder bar
1101.4753		Standard holder for scaler, dimensions 30 x 54 mm, made of POM to match the holder bar
1101.4734.05		Clamping ring for holder bar
1101.4734.05		Clamping ring, small, for holder bar

*Illustration may differ from the original

SMART HOLDER AND ACCESSORIES

PRODUCT DATA

Order number	See product range below
Material	POM
Available colours*: *Similar to RAL	Standard = grey RAL 7035

PRODUCT DESCRIPTION AND INSTALLATION

The smart and cost-effective holder system from Mytronic enables dental instruments to be attached as required to both existing and newly developed systems.

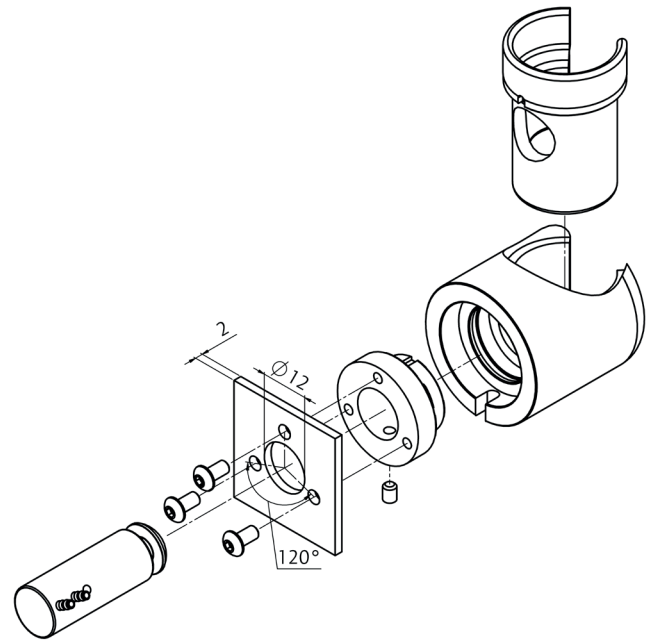
The system is fastened in place using the three M3 pan-head screws supplied.

To attach this product to your own system, you will need additional parts which are available from Mytronic.










Example of use on MedtroSmart:



HOLE PATTERN



PRODUCT RANGE FOR SMART HOLDER AND ACCESSORIES

ORDER NUMBER	ILLUSTRATION*	DESCRIPTION
1101.4727.05		Standard holder mount
1101.4722.05		Holder insert for syringe
1101.4723.05		Holder insert for motor
1101.4724.05		Holder insert for scaler
1101.4725.05		Holder retainer for syringe
1101.4726.05		Holder retainer
8101.4727.1.05		Smart holder mount for motor turbine
8101.4727.2.05		Smart holder mount for scaler
8101.4727.3.05		Smart holder mount for syringe

*Illustration may differ from the original

SERVICE/WARTUNG

A regular functional and safety inspection must be carried out on the product and any accessories. This inspection should take place at least once a year unless legal requirements specify shorter intervals between inspections. The inspection may only be performed by an authorised service partner and must include the following aspects:

- External visual inspection
- Inspection of safety-related changes, e.g. mechanical damage to the part

SERVICE LIFE OF PRODUCTS

Typical service life of parts if used in accordance with their intended use and cleaned and maintained correctly:

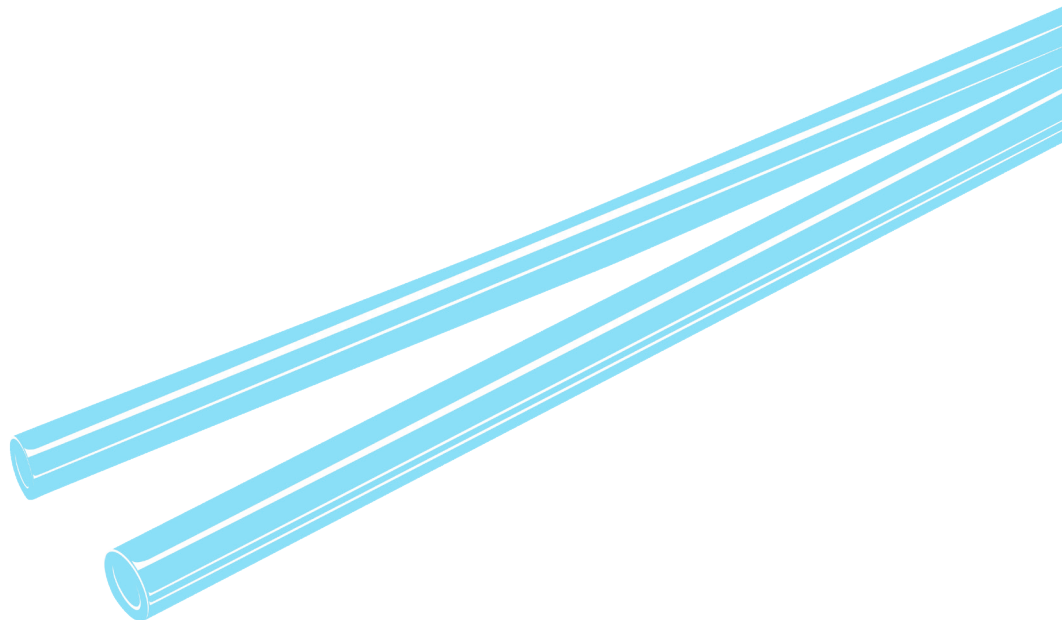
- Non-moving parts approx. 5 years
 - Moving parts approx. 3–5 years*
- *Does not include wear parts such as O-rings and seals.

Typical service life cannot form the basis of a warranty claim. To ensure a long service life for the product, dry and cleaned compressed air must be used (quality in accordance with DIN EN ISO 7494-2-2015 for dental treatment units, air systems and water systems). The product service life and functionality are significantly influenced by mechanical load and the chemical effects of reprocessing.

Using hard and unfiltered water can cause the parts to become blocked prematurely, resulting in functional impairment.

CORRECT DISPOSAL

Potentially contaminated parts must be decontaminated prior to disposal. Uncontaminated parts (e.g. electronics, plastic and metal parts, etc.) must be disposed of in accordance with the local waste disposal regulations. If you have any questions about the correct disposal of parts, please contact your dental trade supplier.



NOTICE

The information provided above serves as a guide and does not release you from the obligation to carry out your own checks of our statements and products to ensure their suitability for the intended procedures and purposes. Recommendations for use do not constitute a guarantee that the product will be suitable for such use. Subject to technical product modifications.

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