KIESELMANN
FLUID PROCESS GROUP

Translation of the original

Operating instruction

Aseptic - sampling valve

Type 6125

pneumatical

manual

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1 General informations

1.1 Informations for your safety

We are pleased that you have decided for a high-class KIESELMANN GmbH product. With correct application and adequate maintenance, our products provide long time and reliable operation.

Before installation and initiation, please carefully read this instruction manual and the security advices contained in it. This guarantees reliable and safe operation of this product and your plant respectively. Please note that an incorrect application of the process components may lead to great material damages and personal injury.

In case of damages caused by non observance of this instruction manual, incorrect initiation, handling or external interference, guarantee and warranty will lapse!

Our products are produced, mounted and tested with high diligence. However, if there is still a reason for complaint, we will naturally try to give you entire satisfaction within the scope of our warranty. We will be at your disposal also after expiration of the warranty. In addition, you will also find all necessary instructions and spare part data for maintenance in this instruction manual. If you don't want to carry out the maintenance by yourself, our KIESELMANN GmbH - service team will naturally be at your disposal.

1.2 Marking of security instructions

Hints are available in the chapter "safety instructions" or directly before the respective operation instruction. The hints are highlighted with a danger symbol and a signal word. Texts beside these symbols have to be read and adhered to by all means. Please continue with the text and with the handling at the valve only afterwards.

Symbol	Signal word	Meaning
	DANGER	Imminent danger which will result severe personal injury or death.
	WARNING	Imminent danger which may result severe personal injury or death.
	CAUTION	Dangerous situation which may cause slight personal injury or material damages.
	NOTICE	An harmful situation which may result in damages of the product itself or of adjacent vicinity.
	INFORMATION	Marks application hints and other information which is particularly useful.

1.3 General designated use

The fitting is designed exclusively for the purposes described below. Using the fitting for purposes other than those mentioned is considered contrary to its designated use. KIESELMANN GmbH cannot be held liable for any damage resulting from such use. The risk of such misuse lies entirely with the user. The prerequisite for the reliable and safe operation of the fitting is proper transportation and storage as well as competent installation and assembly. Operating the fitting within the limits of its designated use also involves observing the operating, inspection and maintenance instructions.

1.4 Personnel

Personnel entrusted with the operation and maintenance of the tank safety system must have the suitable qualification to carry out their tasks. They must be informed about possible dangers and must understand and observe the safety instructions given in the relevant manual. Only allow qualified personnel to make electrical connections.

1.5 Modifications, spare parts, accessories

Unauthorized modifications, additions or conversions which affect the safety of the fitting are not permitted. Safety devices must not be bypassed, removed or made inactive. Only use original spare parts and accessories recommended by the manufacturer.

1.6 General instructions

The user is obliged to operate the fitting only when it is in good working order. In addition to the instructions given in the operating manual, please observe the relevant accident prevention regulations, generally accepted safety regulations, regulations effective in the country of installation, working and safety instructions effective in the user's plant.

2 Safety instructions

2.1 Intended use

The sampling valve is used to remove or vent liquid or gaseous media from tanks or pipe system in plants of the food and drink industry, pharmaceutical and chemical industries as well as in biotechnology.

2.2 General notes

NOTICE - observe the operating instructions

To avoid danger and damage, the fitting must be used in accordance with the safety instructions and technical data contained in the operating instructions.

NOTICE

All data are in line with the current state of development. Subject to change as a result of technical progress.

2.3 General safety instructions

⚠ WARNING

Risk of injury by outflowing medium

Dismantling the valve or valve assemblies from the plant can cause injuries.

- Medias flowing through the leakage drain outlet are to be drained off without splashing into a discharge arrangement.
- Carry the disassembling only if when the plant has been rendered pressure-less and free of liquid and gas.

⚠ CAUTION

Risk of burning whilst flaming the valve!

There is a risk from burns of parts of the body.

➢ The valve gets very hot under flaming. When flaming the valve,

- wear suitable protective gloves and protective clothing
- local fire safety regulations must be followed.

⚠ CAUTION

Destroy of the valve seal when flaming the valve!

The valve seal can be destroyed by excessive heat supply.

➢ The valve must be flamed generally by trained personnel.

- The instructions in the chapter “Sterilization” must be observed.

3 Delivery, transport and storage

3.1 Delivery

- Immediately after receipt check the delivery for completeness and transport damages.
- Remove the packaging from the product.
- Retain packaging material, or expose of according to local regulations.

3.2 Transport

⚠ CAUTION

Risk of injury and damage to the product

During the transport the generally acknowledged rules of technology, the national accident prevention regulationsand company internal work and safety regulations must be observed.

3.3 Storage

NOTICE

Damage to the product due to improper storage!

Observe storage instructions

avoid a prolonged storage

INFORMATION

Recommendation for longer storage

We recommend regularly checking the product and the prevailing storage conditions during long storage times.

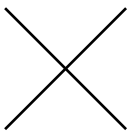
- To avoid damage to seals and bearings,
  - products up to DN 125 / OD 5 inch should be stored horizontally for maximum 6 months.
  - products larger than DN 125 / 5 inch, should be stored in the upright position with the actuator on top.
- Don't store any objects on the products.
- Protect the products for wetness, dust and dirt.
- The product should be stored in a dry and well ventilated room at a constant temperature (optimal indoor temperature: 25 C ±5 ; indoor humidity data 70% ±5%).
- Protect seals, bearings and plastic parts for UV light and ozone.

4 Specification

4.1 Modular system

Mounted on top / automation	 End ring	 Sensor mounting* for Sensors with thread M12	 Control head assembly*

Actuator	 Type 6125 xxx00x-xxx manual (spring close) only with end ring	 Type 6125 xxx01x-xxx manual (self-locking) ** only with end ring	 Type 6125 xxx03x-xxx pneumatically & manual spring close only	 Type 6125 xxx02x-xxx pneumatical
Housing connections	 Inline	 T-piece (DN 25-150 / 1½“-4“)	 Tank welding neck	 Welding neck DN 25
Outlet connections	 G3/8	 Tube DN10	 G3/8 with blind nut	 Clip-on

Rinsing connections	 without connection	 G3/8	 Tube DN10	 G3/8 with blind nut	 Clip-on
		 Steam valve - manual	 pneum. Steam valve	 pneum. Steam valve with sensor mounting	 pneum. Steam valve with control head

* can be adapted only to pneumatic actuator

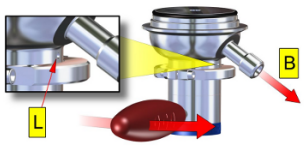
** may not be combined with pneumatic actuator

5 Function and operation

5.1 Description of function

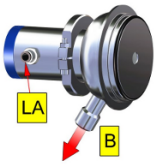
Description of function

The function of the aseptic sampling valve is to remove sampling from the systems and pipes under hygienic conditions. The valve is opened pneumatically over the air connections (LA) or manually operated over the lever clockwise opened and closed with spring tension. Valves with a self-locking spindle are opened with a lever clockwise and closed anti-clockwise.



At open valve, the product flows out through the outlet pipe (B).

Leaks will be discharged through the leakage hole (L).



5.2 Control system and position indicator

Feedback unit -optional-

Optionally, modular valve control head systems can be installed to the actuator for reading and actuating valve positions. The standard version is a closed system with SPS or ASI-bus switch-on electronics, and integrated 3/2-way solenoid valves. For tough operating conditions we recommend employing a high-grade steel cover.

Feedback unit with finger guard -optional-

For the acquisition of the valve positions over inductive initiators (Sensors), a feedback unit is mounted on the actuation. The enquiry takes place over the position of the piston rod.

6 Commissioning, service and maintenance

6.1 Commissioning

6.1.1 Installation instructions

Fitting position

Install the connection lines in such a way as to permit the liquids to drain freely out of the drain outlet.

6.1.2 General welding guidelines

Sealing elements integrated in weld components must generally be removed prior to welding. To prevent damage, welding should be undertaken by certified personnel (EN ISO 9606-1). Use the TIG (Tungsten Inert Gas) welding process.

⚠ CAUTION

Damage and injuries due to high temperature supply

To avoid a distortion of the components, all welding parts must be welded to stress-relieved.

Allow all components to cool before assembling.

NOTICE

Damage due to impurities

Impurities can cause damage to the seals and seals area.

Clean inside areas prior to assembly.

6.1.3 ATEX - Guidelines

For valves or plants/installations that are operated in the ATEX area, sufficient bonding (grounding) must be ensured (see valid ATEX Guidelines EG).

6.2 Service

RECOMMENDATION

Replacement of seals

To achieve optimal maintenance cycles, the following points must be observed!

- When replacement of seals, all product-contacting seals should be replaced.
- Only original spare parts may be installed.

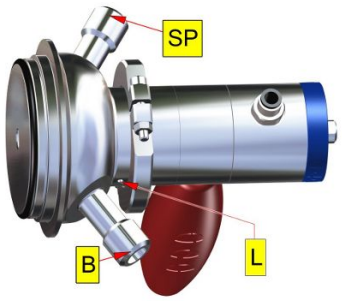
Maintenance interval

The maintenance intervals depend on the operating conditions "temperature, temperature-intervals, medium, cleaning medium, pressure and opening frequency". We recommend replacing the seals 3-year cycle The user, however should establish appropriate maintenance intervals according to the condition of the seals.

Lubricant recommendation

	EPDM; HNBR; NBR; FKM; k-flex	-	Klüber Paraliq GTE703*
	Silicone	-	Klüber Sintheso pro AA2*
	Thread	-	Interflon Food*
	*) It is only permitted to use approved lubricants, if the respective fitting is used for the production of food or drink. Please observe the relevant safety data sheets of the manufacturers of lubricants.		

6.3 Cleaning

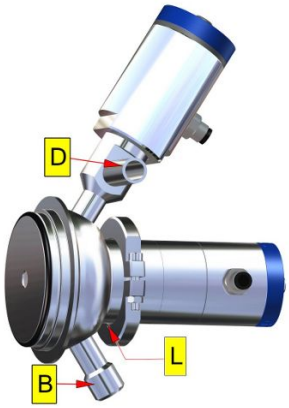


The cleaning of the valve occurs in the closed state over connection (B), whereat with concurrent cleaning of the tank or pipe system the valve can be opened. For valves with rinsing connection the cleaning occurred via connection (SP).

6.4 Sterilization

The valve can be sterilized with flame, steam or liquid.

Steam - and liquid sterilization

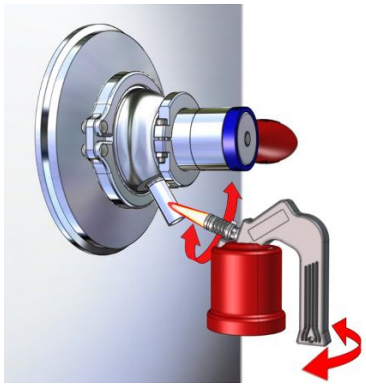


The steam or liquid sterilization proceeds though the outlet pipe (B) or during tank or pipe cleaning.

For valves with rinsing connection the sterilization occurred via connection (SP).

Optionally, the valve can be equipped with a steam valve (DV). The steam or liquid sterilization occurred via the connection (D).

Air sterilization by flaming



The valve can be sterilized by flaming. This process may take up to 15 seconds for the entire valve. To avoid high temperatures at certain points the flame has to be moved constantly.

⚠ CAUTION

Risk of burning whilst flaming the valve!

There is a risk from burns of parts of the body.

- ➢ The valve gets very hot under flaming. When flaming the valve,
  - – wear suitable protective gloves and protective clothing
  - – local fire safety regulations must be followed.

⚠ CAUTION

Destroy of sealing materials due to high heat supply!

When flaming attention must be paid so that the valve is not exposed to short-time temperature exceeding 130°C, otherwise the sealing material will be destroyed.

- – The valve must be flamed generally by trained personnel.

7 Technical data

Model	Aseptic - sampling valve	
Valve size	- Product line: DN 25 - DN 150DN 1½“ - DN 4“ - Tank fitting	
Variations of actuation	• manual (spring close) • manual (self locking) • pneumatical • pneumatically & manual	
Housing variants	• Inline - housing • Housing with welding connection DN 25 • Housing with T-pipe piece DN 25 - DN 150, DN 1½“ - DN 4“ • Housing with tank welding connection	
Outlet connections	• G3/8 • G3/8 with blind nut • DN10 • Clip-on	
Rinsing - and steam connections	• G3/8 • G3/8 with blind nut • DN10 • Clip-on • Connection for manual or pneumatically steam valve	
Temperature range	Ambient (air): Operating (medium dependent): Sterilization (SIP 30 min):	+4° to +45°C +0° to +95°C EPDM +140°C PTFE +130°C NBR +130°C
Operating pressure	max. 10 bar for liquids	
Leak rate	A (DIN EN 12266-1)	
Control air	Control air pressure: 4,0 - 8,0 bar	Quality of control air:: ISO 8573-1 : 2001 quality class 3

Material: (in product contact)	stainless steel:	AISI316L
	Surface:	Ra ≤ 0,8µm metallic bright; e-polished
	Sealing material:	PTFE-FTM

8 Disassembly and assembly

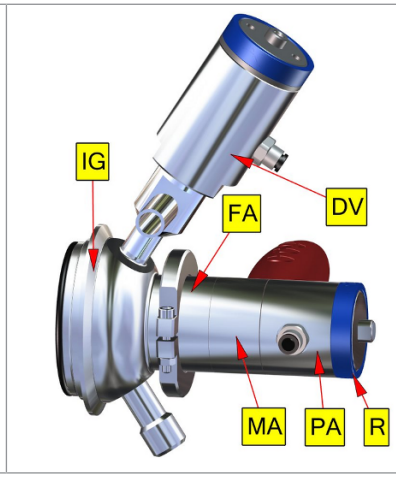
8.1 Disassembly - sampling valve

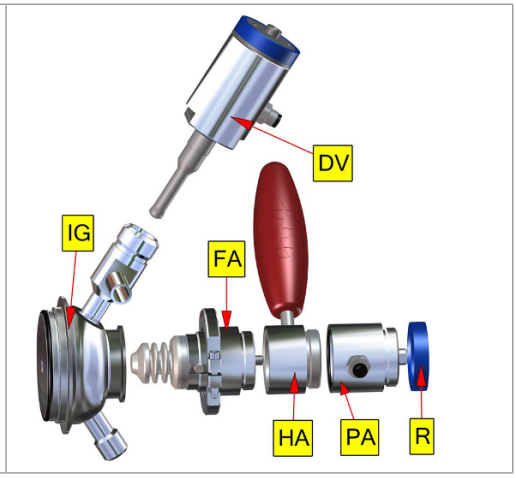
NOTICE

All threaded joint have right-hand thread.

Unscrew and remove control air, steam resp. cleaning lines and electrical lines, complete feedback unit or control head.

1. IG = Inline-housing
2. DV = Steam valve
3. PA = Pneumatic actuator
4. MA = manual actuator (manual operation)
5. FA = Spring module
6. R = End ring





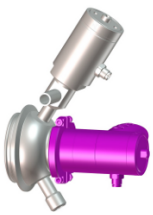
Assembly - valve insert

Fig. A

1. **pneumatically - charge the actuator with compressed air at connection LA1.**
   - The piston retracts and the bellow lift up from valve seat.
   - Unscrew the screw connection (F12) / (F13). Remove the clamp coupling (F11) and dismount the valve insert from the housing (IG).
   - Disconnect the compressed air at connection (LA1).

Fig. B - C

1. **manually - open the actuator via Allen key**
   - Remove cap (K).
   - Place a nut (M12) and a washer (A6.4) on the shaft (P1) and screw in a Allen screw (M6x10) in the shaft till metallic stop by hand.
   - Then turn further with al Allen key to the limit stop (approx. 3 turns).
   - The piston retracts and the bellow lift up from valve seat.
   - Unscrew the screw connection (F12) / (F13).
   - Remove the clamp coupling (F11) and dismount the valve insert from the housing (IG). Unscrew the screw (M6x10) from shaft (P1).



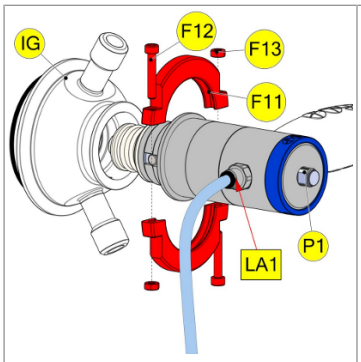


Fig. A

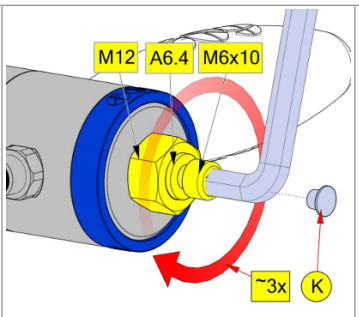


Fig. B

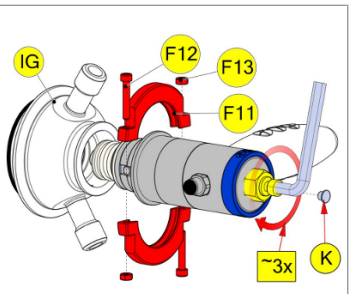
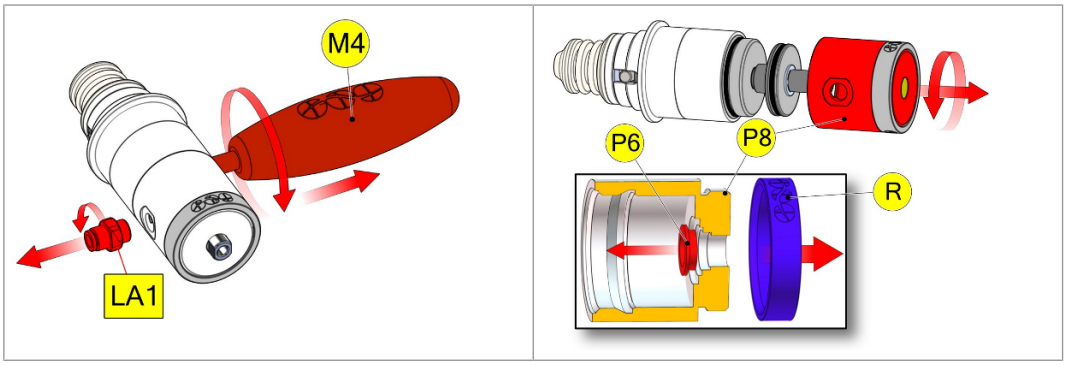


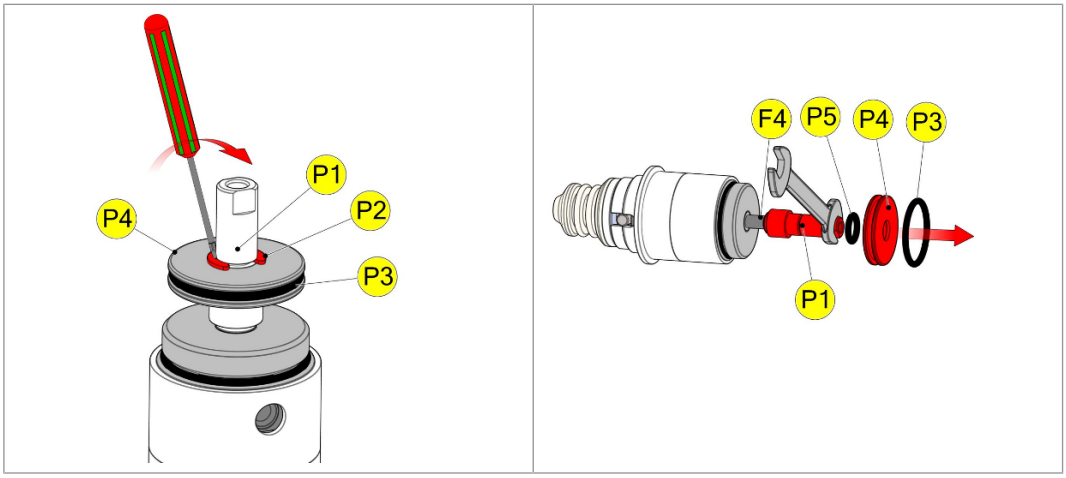
Fig. C

Dismantle - pneumatic actuator PA

- Unscrew air connection (LA1) and hand lever (M4). Unsrew ring (R) and housing (P8). Remove Plain bearing (P6).

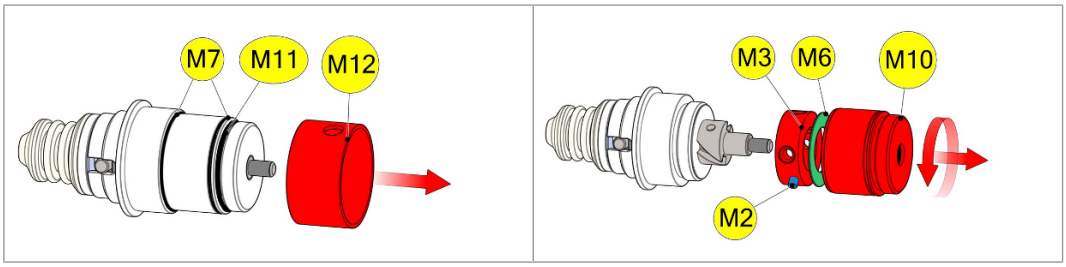


- Dismantle circlip ring (P2) and pull off piston (P4). Dismount O-rings (P3) and (P5). shaft (P1) from shaft (F4).

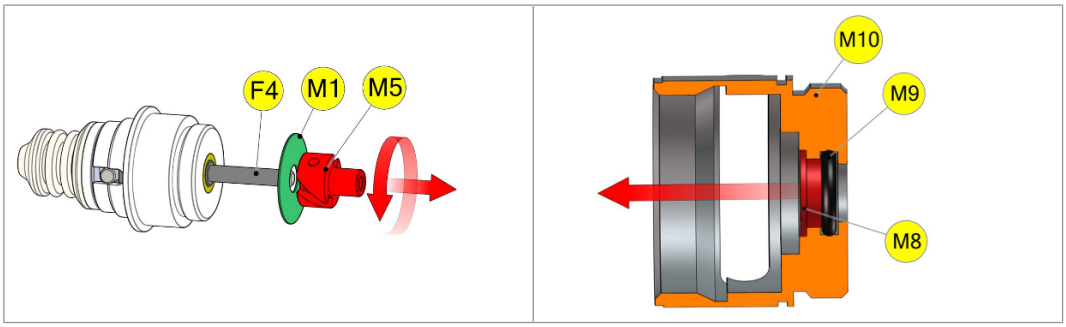


Dismantle - manual actuator MA

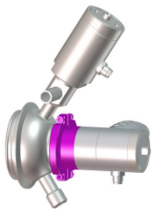
- Pull off cover (M12). Remove O-rings (M7) and (M11). Unscrew housing (M10). Remove disc (M6), dog (M3) with pins (M2).



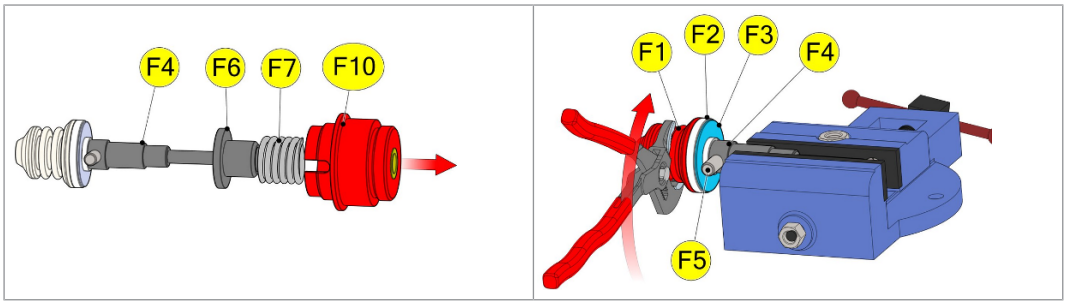
- Unscrew with a hook wrench the worm (M5) from shaft (F4). The spring (F7) is completely relaxed. Remove disc (M1). Remove plain bearing (M8) and O-Ring (M9) from housing (M10).



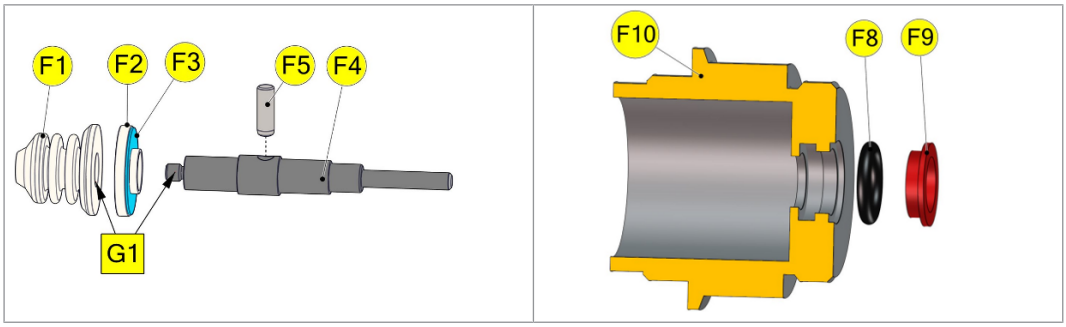
Dismantle - spring module FA



- Pull off the housing (F10), spring (F7) and guidance (F6) from shaft (F4). Clamp shaft (F4) between soft jaws in a vice and unscrew the bellow (F1) with a pliers.



- Remove the guidance (F2) and the plate spring (F3). Dismount de plain bearing (F9) and O-ring (F8) from housing (F10).



8.2 Assemble - sampling valve

- Before installation, thoroughly clean and slightly lubricate mounting areas and running surfaces.
- Lightly grease and mounting the O-rings.

⚠ CAUTION

➢ Thread connection (G1) from bellow (F1) and shaft (F4) is secured with a screw retention. After unscrewing the bellows (F1) it must always be replaced.

– Thoroughly clean the thread connection (G1) from adhesive residues and after then degrease it. During assembly secure the new bellows again with a Screw retention detachable (e.g. Loctite 243).

Insert spring module (FA)

At first open the valve manually. see fig. 16, gap (SP) = 1mm.

Fig. A

- Place a nut (M12) and a washer (A6.4) on the shaft (F4) and screw a nut (M6) in the shaft till metallic stop by hand. Then turn further with a flat wrench to the limit stop (approx. 3 turns). Insert the spring module (FA) into the housing (IG).

Fig. B

- Mount clamp coupling (F11) and tighten the screw connections (F12) / (F13) evenly. Unscrew nut (M6) again. Remove disc (A6.4) and nut (M12).
- Check the valve function.

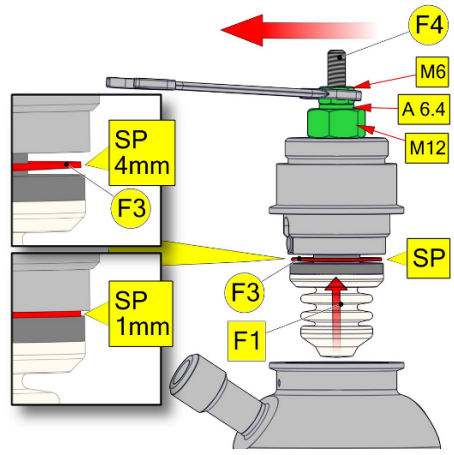


Fig. A

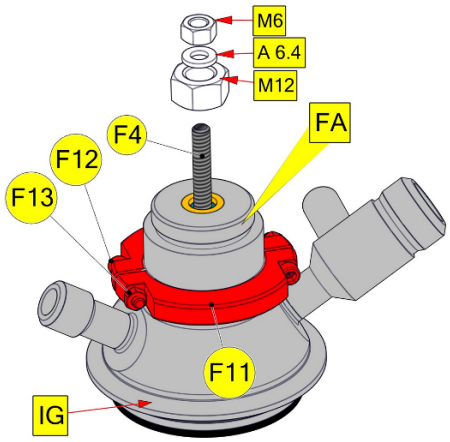


Fig. B

8.3 Dismantle - steam valve DV

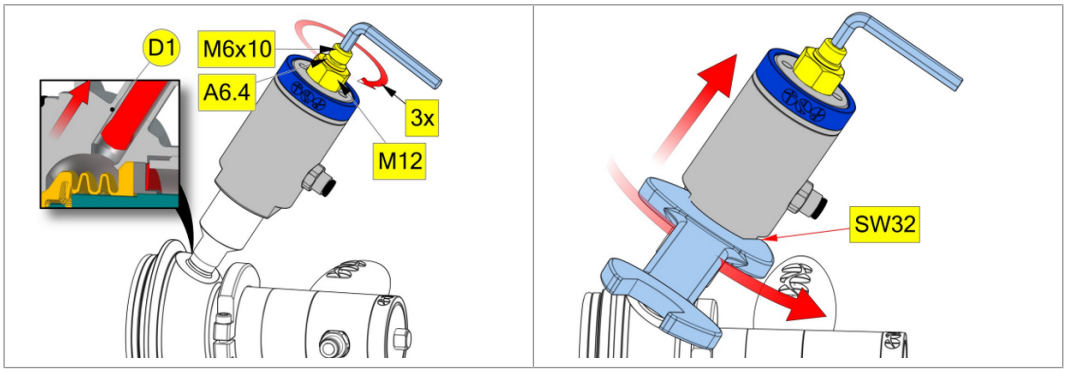
Dismantle - pneumatic steam valve DV

Fig. A

- Actuate the actuator with a Allen key.
- Place a nut (M12) and a washer (A6.4) on the shaft (P1) and screw in a Allen screw (M6x10) in the shaft till metallic stop by hand. Then turn further with al Allen key to the limit stop (approx. 3 turns). The piston retracts and the bellow lift up from valve seat.

Fig. B - C

- Use a flat wrench (SW 32) to unscrew the steam valve from the housing.



- Unscrew the Allen screw (M6x10) and remove nut (M12) and disc (A6.4).

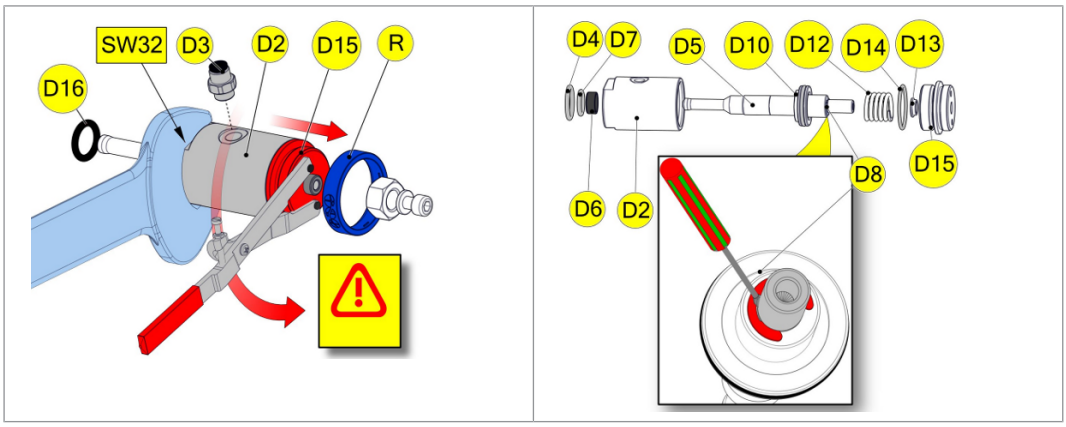
⚠ CAUTION

Risk of injury by jumping out components

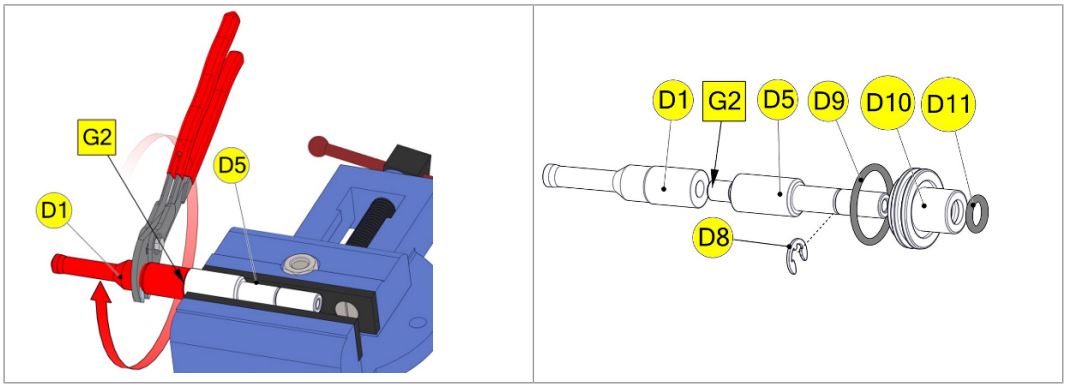
Spring-preloaded valve!

When unscrewing the cover (D15) components can jump out.

- Unscrew cover (D15). Remove all components from housing (D2). Dismount circlip ring (D8) and pull piston (D10) from shaft (D5). Remove the wearing parts.

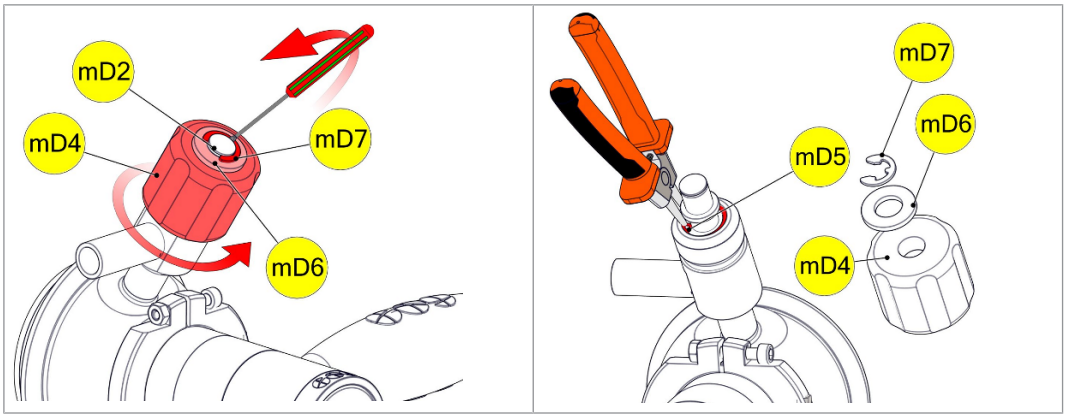


- Unscrew piston (D1) from shaft (D5). Remove the wearing parts.

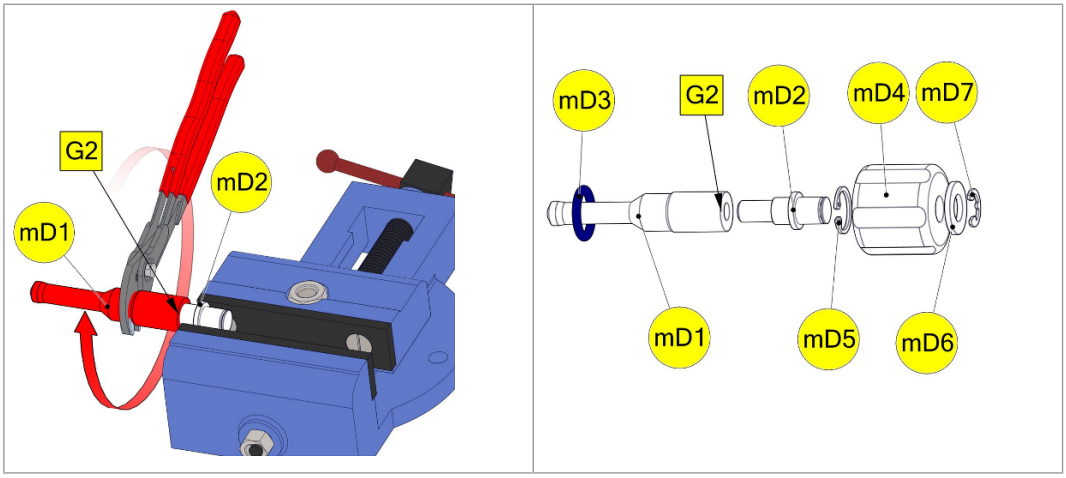


Dismantle - manual steam valve mDV

- Open the valve with the hand wheel (mD4) completely. Dismount the circlip (mD7). Remove disc (mD6) and hand wheel (mD4). Dismount the circlip (mD5). Pull the bolt (mD2) from the housing. Dismount O-ring (mD3). Remove the wearing parts.



- Unscrew piston (mD1) from shaft (mD2). Remove the wearing parts.



8.4 Assemble - steam valve

- Before installation, thoroughly clean and slightly lubricate mounting areas and running surfaces.
- Lightly grease and mounting the O-rings.

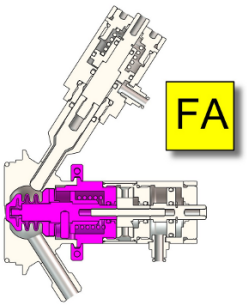
⚠ CAUTION

➢ Thread connection (G2) from the components (D1) / (D5) e.g. (mD1) / (mD2) is secured with a screw retention. After unscrewing the piston (D1) e.g. (mD1) it must always be replaced.

– Thoroughly clean the thread connection (G2) from adhesive residues and after then degrease it. During assembly secure the new piston again with a Screw retention high-strength (e.g. Loctite 2701).

9 Drawings and dimensions

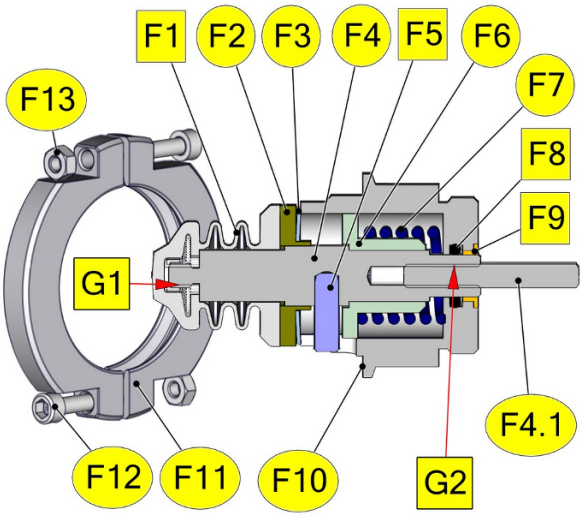
9.1 Drawings

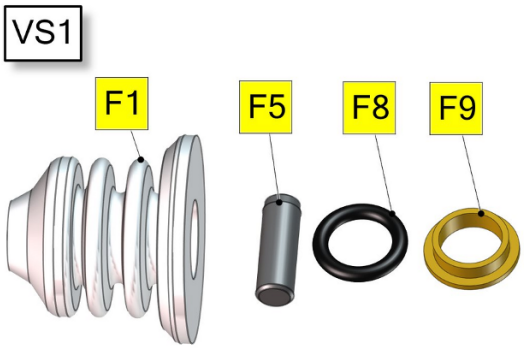


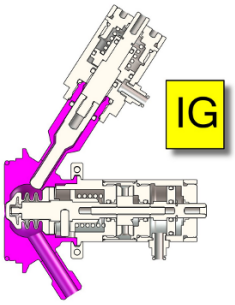
FA = Spring module

- F1 = Bellow
- F2 = Guidance
- F3 = Plate spring
- F4 = Shaft
- F4.1 = Threaded rod
- F5 = Cylinder pin
- F6 = Guidance
- F7 = Pressure spring
- F8 = O-ring
- F9 = Plain bearing
- F10 = Housing
- F11 = Clamp coupling
- F12 = Allen screw
- F13 = Hexagon nut

- G1 = Screw retention detachable
- G2 = Screw retention high strength

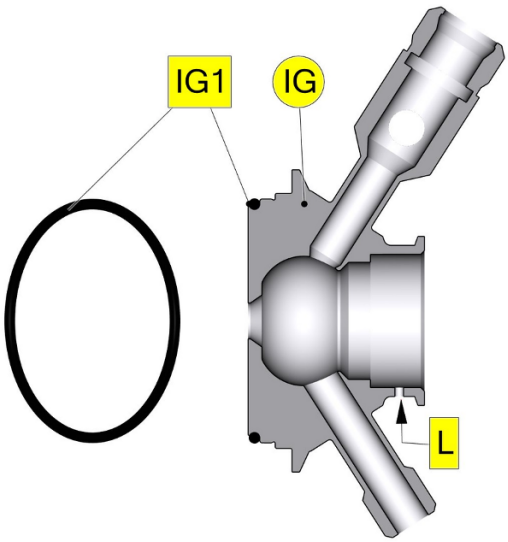


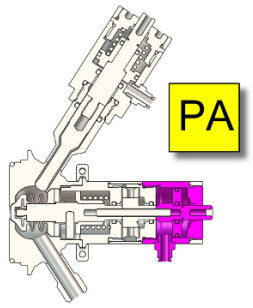




IG = Inline - housing
with outlet G3/8 and
steam valve connection

- IG1 = O-ring
- L = Leakage bore

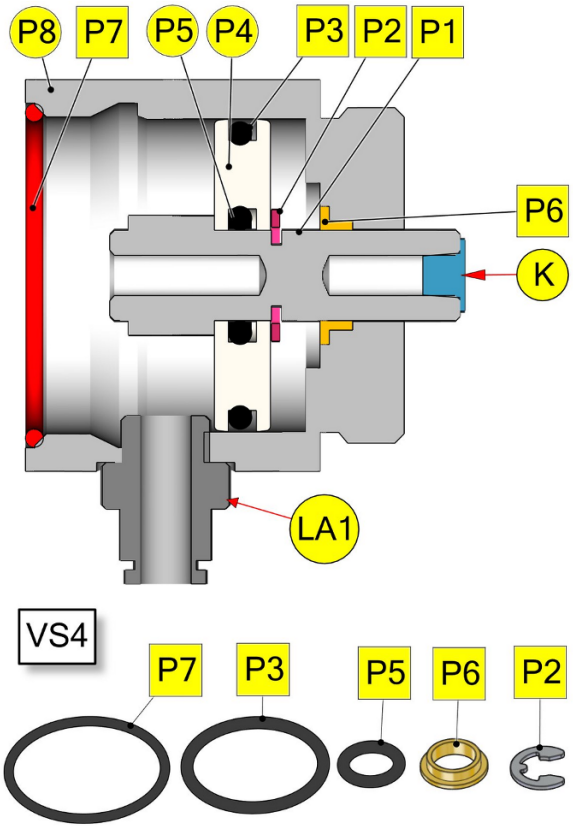


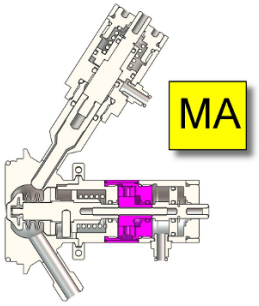


PA = Pneumatic actuator

- P1 = Shaft
- P2 = Circlip ring
- P3 = O-ring
- P4 = Piston
- P5 = O-ring
- P6 = Plain bearing
- P7 = O-ring
- P8 = Housing

- K = Cap
- LA1 = Air supply
- VS4 = Wear parts kit

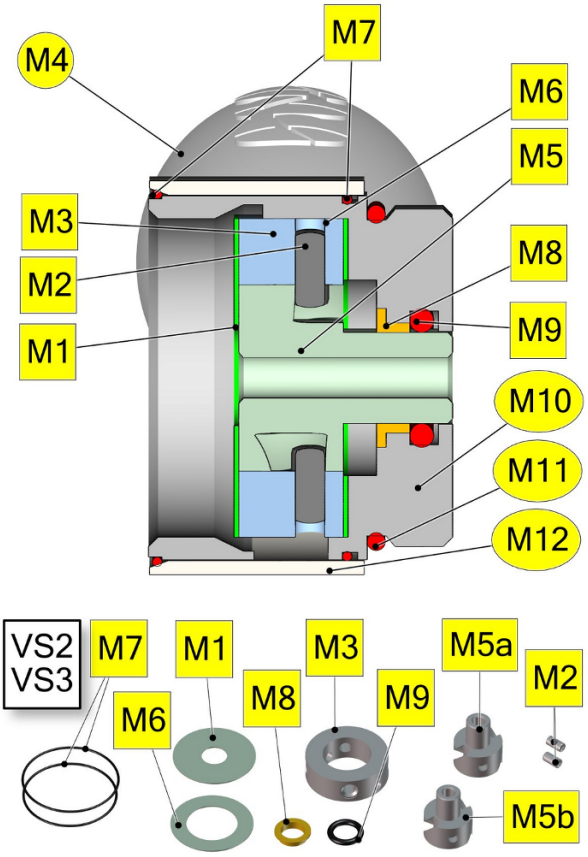


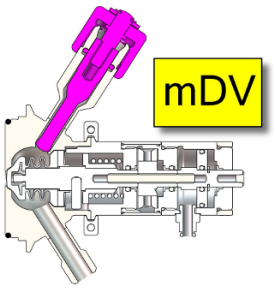


MA = manual actuator

- M1 = Disc
- M2 = Cylinder pin
- M3 = dog
- M4 = Hand lever
- M5 = Worm
- M6 = Disc
- M7 = O-ring
- M8 = Plain bearing
- M9 = O-ring
- M10 = Housing
- M11 = O-ring
- M12 = Cover

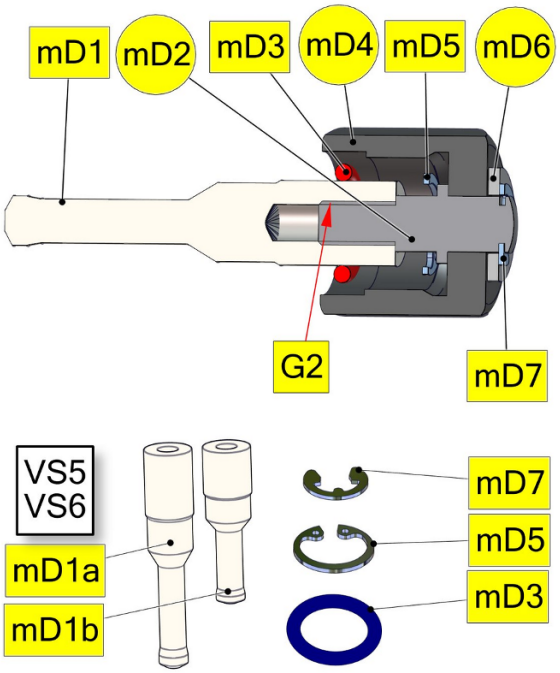
- VS2, VS3 = Wear part sets

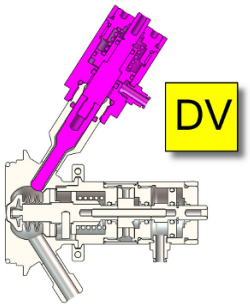




mDV = Steam valve - manual

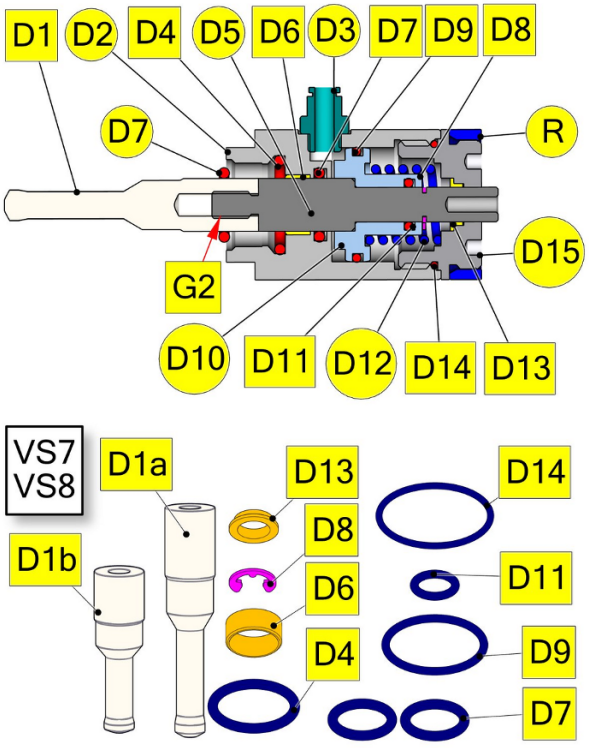
- mD1a = Piston (Inline housing)
- mD1b = Piston (welding neck housing)
- mD2 = Threaded bolt
- mD3 = O-ring
- mD4 = Handwheel
- mD5 = Circlip ring
- mD6 = Disc
- mD7 = Circlip ring
- VS5, VS6 = Wear part sets
- G2 = Screw retention high strength





DV = Steam valve -pneumatically

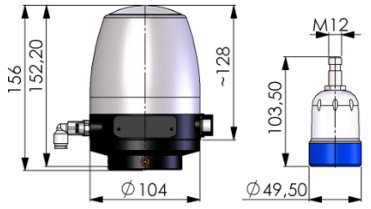
- D1a = Piston (Inline housing)
- D1b = Piston (welding neck housing)
- D2 = Housing
- D3 = Rapid action hose coupling
- D4 = O-ring
- D5 = Shaft
- D6 = Plain bearing
- D7 = O-ring
- D8 = Circlip ring
- D9 = O-ring
- D10 = Piston
- D11 = O-ring
- D12 = Pressure spring
- D13 = Plain bearing
- D14 = O-ring
- D15 = Cover
- R = End ring
- VS7, VS8 = Wear part sets
- G2 = Screw retention high strength



9.2 Dimensions

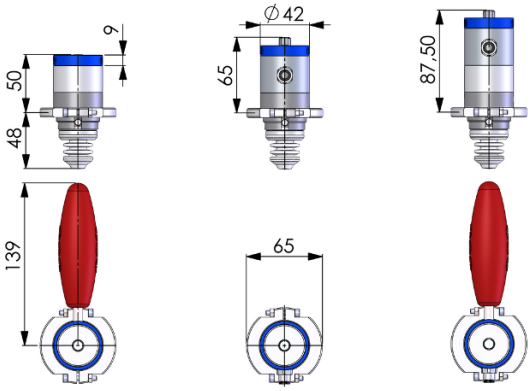
Control system and
Feedback unit:

- Control head (Control system)
- Sensor mounting (Feedback unit)



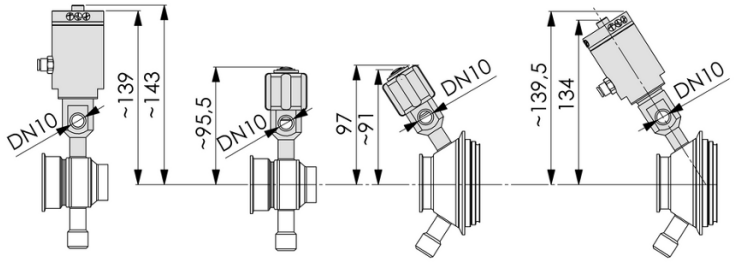
Actuators:

- manual actuator MA
  - spring close
  - self-locking
- Pneumatic actuator PA
- manual and pneumatic actuator MA & PA
  - spring close



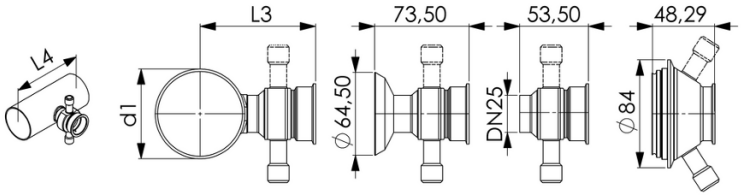
Steam valve:

- Welding neck housing
  - pneumatic steam valve
  - manual steam valve
- Inline - housing
  - manual steam valve
  - pneumatic steam valve



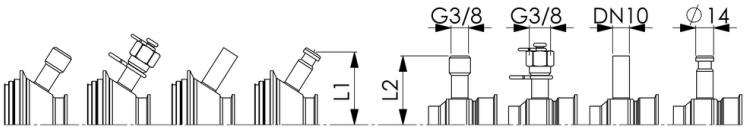
Housing:

- T - pipe pieces
- Vessel - welding flange
- Welding neck
- Inline



Connections:

- Screw socket G3/8
- Screw socket G3/8 B (with blind nut)
- Tube DN10
- Clip-on Ø14



DN		G3/8	G3/8 B	DN10	Clip-on
L1		60.5	67.5	60	60
L2		55	65	53.5	53.5

DN	DIN	25	32	40	50	65	80	100	125	150
	Inch	1	-	1½	2	2½	3	4	-	-
L3	DIN	69.5	72.5	76	81.5	92.5	101	111.5	123	138.5
	Inch	-*	-	-*	-*	-*	-*	-*	-	-
L4	-	100	110	120	140	160	180	200	375	450
d1	DIN	29x1.5	35x1.5	41x1.5	50x1.5	70x2	85x2	104x2	129x2	154x2
	Inch	-*	-*	-*	-*	-*	-*	-*	-*	-*

* no measurements available yet

10 Wear parts kit

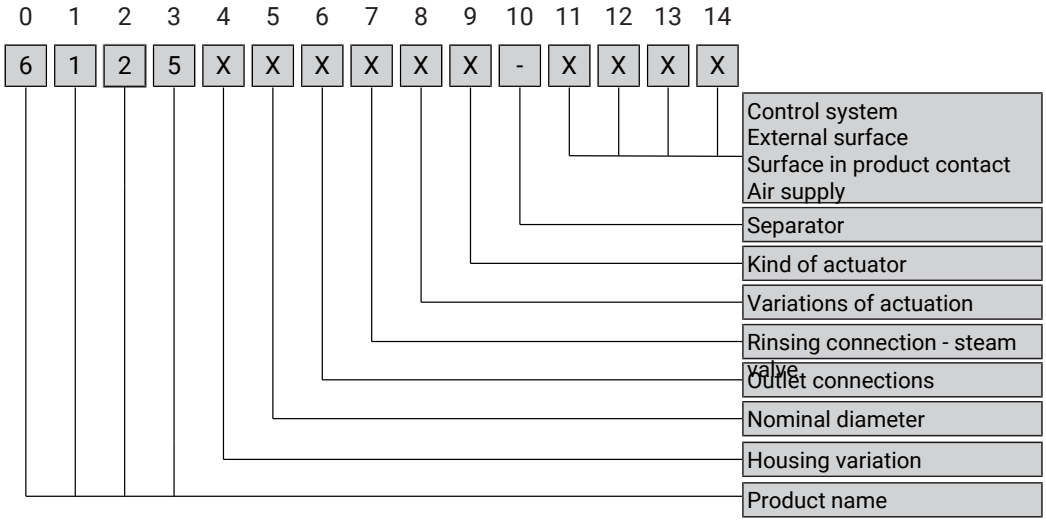
Wear parts kit	Item number	Valve module
VS 1	6125029000-000	• Spring module for aseptic sampling valve
VS 2	6125039000-000	• manual actuator for aseptic sampling valve - spring-loaded
VS 3	6125039100-000	• manual actuator for aseptic sampling valve - self-locking
VS 4	6125049000-000	• pneumatic actuator for aseptic sampling valve
VS 5	6125096000-000	• Steam valve - manual for aseptic sampling valve - with Inline-housing
VS 6	6125097000-000	• Steam valve - manual for aseptic sampling valve - with welding neck housing
VS 7	6125098000-000	• pneumatic steam valve for aseptic sampling valve - with Inline-housing
VS 8	6125099000-000	• pneumatic steam valve for aseptic sampling valve - with welding neck housing

Pos.	Item number	Designation	pce.	VS 1	VS 2	VS 3	VS 4	VS 5	VS 6	VS 7	VS 8
F1	6125021000-187	Bellow PTFE-TFM1705	1	X							
F5	8130006018-218	Cylinder pin ø6m6x18 1.4122	1	X							
F8	2304010025-055	O-ring ø10x2,5 NBR	1	X							
F9	8050010003-156	Plain bearing IGLIDUR	1	X							
M1	6125036000-196	Disc ø34xø10,5x0,5 PTFE	1		X	X					
M2	8130004008-217	Cylinder pin ø4m6x8 ISO8734-C1 1.4034	2		X	X					
M3	6125032000-020	Dog 1.4301	1		X	X					
M5a	6125031000-218	Worm spring-loaded 1.4122	1		X						
M5b	6125031100-218	Worm self-locking 1.4122	1			X					
M6	6125037000-196	Disc ø34xø21x0,5 PTFE	1		X	X					
M7	2304037010-055	O-ring ø37x1,0 NBR	2		X	X					
M8	8050010003-156	Plain bearing IGLIDUR	1		X	X					
M9	2304010025-055	O-ring ø10x2,5 NBR	1		X	X					
P2	8084007090-030	Circlip ring RS7 DIN6799-7 1.4122	1				X				
P3	2304028025-077	O-ring ø28x2,5 NBR	1				X				
P5	2304010025-055	O-ring ø10x2,5 NBR	1				X				
P6	8050010003-156	Plain bearing IGLIDUR	1				X				
P7	2304030020-055	O-ring ø30x2,0 NBR	1				X				
mD1a	6125092000-115	Piston long (Inline housing) PEEK	1					X			
mD1b	6125095000-115	Piston short PEEK	1						X		
mD3	2304015030-055	O-ring ø15x3,0 NBR	1					X	X		
mD5	8085017100-031	Circlip ring DIN472 1.4310	1					X	X		
mD7	8084007090-030	Circlip ring DIN6799-7RS7 1.4122	1					X	X		

Pos.	Item number	Designation	pce.	VS 1	VS 2	VS 3	VS 4	VS 5	VS 6	VS 7	VS 8
D1a	6125092000-115	Piston long (Inline housing) PEEK	1							X	
D1b	6125095000-115	Piston short PEEK	1								X
D4	2304022030-055	O-ring ø22x3,0 NBR	1							X	X
D6	8050015007-156	Plain bearing IGLIDUR X	1							X	X
D7	2304015030-055	O-ring ø15x3,0 NBR	2							X	X
D8	8084007090-030	Circlip ring DIN6799-7RS7 1.4122	1							X	X
D9	2304025025-055	O-ring ø25x2,5 NBR	1							X	X
D11	2304010025-055	O-ring ø10x2,5 NBR	1							X	X
D13	8050010003-156	Plain bearing IGLIDUR	1							X	X
D14	2304030020-055	O-ring ø30x2,0 NBR	1							X	X
IG1	2304060030-170	O-ring ø60x3,0 EPDM	1								

11 Classification

11.1 Structure of Order Number



Product name

6125 xxx xxx-xxxx				
Product name	**Pos. 0**	**Pos. 1**	**Pos. 2**	**Pos. 3**
aseptic sampling valve	6	1	2	5

Housing variation

xxxx Xxx xxx-xxxx	
Kind of actuation	**Pos. 4**
Housing with Inline-Clamp, outlet connection	1
Housing with Inline-Clamp, outlet & rinsing connection	2
Housing with DIN T-piece, outlet connection	3
Housing with DIN T-piece, outlet & rinsing connection	4
Housing with tank welding neck, outlet connection	5
Housing with tank welding neck, outlet & rinsing connection	6
using with INCH-T-piece, outlet connection	7
using with INCH-T-piece, outlet & rinsing connection	8
Valve insert (without housing)	9

Valve size

xxxx x**X**x xxx-xxxx				
DIN T-piece	**Zoll T-piece**	**Inline-Clamp**	**tank welding neck,**	**Pos. 5**
S DN25	---	DN40 to DN150	no nominal diameter	0
S-S DN25	---	DN10 to DN32	---	1
S-S DN32	---	---	---	2
S-S DN40	S-S OD 1½"	---	---	3
S-S DN50	S-S OD 2"	---	---	4
S-S DN65	S-S OD 2½"	---	---	5
S-S DN80	S-S OD 3"	---	---	6
S-S DN100	S-S OD 4"	---	---	7
S-S DN125	---	---	---	8
S-S DN150	---	---	---	9

Outlet connections

xxxx xx**X** xxx-xxxx	
Outlet connections	**Pos. 6**
G 3/8 - screw socket	1
DN10 - pipe connection	2
Clip-on	3
G 3/8 - screw socket with blind nut	4

Rinsing connection - steam valve

xxxx xxx **X**xx-xxxx	
Rinsing connection	**Pos. 7**
no rinsing connection	0
G 3/8 - screw socket	1
DN10 - pipe connection	2
Clip-on	3
G 3/8 - screw socket with blind nut	4
Steam valve - manual	5
pneumatic steam valve with end ring	6
pneumatic steam valve with feedback unit	7
pneumatic steam valve with control head	8

Variations of actuation

xxxx xxx x**X**x-xxxx	
Variations of actuation	**Pos. 8**
manual (spring close)	0
manual (self locking)	1
pneumatical	2
pneumatic & manual	3

Kind of actuator

xxxx xxx xx**X**-xxxx	
Kind of actuator	**Pos. 9**
End ring	0
Feedback unit (not with manual actuator)	1
Control head (not with manual actuator)	2

Separator

xxxx xxx xxx**-**xxxx	**Pos. 10**
Separator	-

Control system, External surface

xxxx xxx xxx-**XXXX**				
Control system and position indicator	**Pos. 11**	**Pos. 12**	**Pos. 13**	**Pos. 14**
Control head KI-Top SPS	K	5	x	x
Control head KI-Top ASi-Bus	K	6	x	x

External surface	**Pos. 11**	**Pos. 12**	**Pos. 13**	**Pos. 14**
Valve with position indication External surface: AISI316L, nickelize air connections	0	4	1	
Valve with position indication External surface: AISI316L, stainless steel air connections	V	0	4	1

12 Appendix

12.1 Declaration of incorporation

CE

Declaration of incorporation

Translation of the original

Manufacturer / authorised representative:

KIESELMANN GmbH
Paul-Kieselmann-Str. 4-10
75438 Knittlingen
Germany

Authorised representative:
(for compiling technical documents)

Achim Kauselmann
Paul-Kieselmann-Str. 4-10
75438 Knittlingen
Germany

Product name	Function
pneum. Lift actuators	Stroke movement
pneum. Rotary actuators	Rotary movement
Ball valves	Media cutoff
Butterfly valves	Media cutoff
Single seat valves	Media cutoff
Flow control valves	Control of liquefied media
Throttle valve	Control of liquefied media
Overflow valve	Definition of fluid pressure
Double seat valve	Media separation
Bellow valves	Sampling of liquids
Sampling valves	Sampling of liquids
Two way valves	Media cutoff
Tankdome fitting	Prevention of overpressure and vacuum, Tank cleaning
Safety valve	Prevention of overpressure

The manufacturer hereby states that the above product is considered as an incomplete machine in the sense defined in the Directive 2006/42/EC on Machinery. The above product is exclusively intended to be installed into a machine or an incomplete machine. The said product does not yet conform to all the relevant requirements defined in the Directive on Machinery referred to above for this reason.

The specific technical documents listed in Appendix VII, Part B, have been prepared. The Authorized Agent empowered to compile technical documents may submit the relevant documents if such a request has been properly justified.

Commissioning of an incomplete machine must not only carried out if it has been determined that the respective machine into which the incomplete machine is to be installed conforms to the regulations set out in the Directive on Machinery referred to above.

The above product conforms to the requirements of the directives and harmonized standards specified below:

- Directive 2014/68/EU
- DIN EN ISO 12100 Safety of machinery

Knittlingen, 21.07.2017

i.V. Uwe Heisswolf
Head of Development