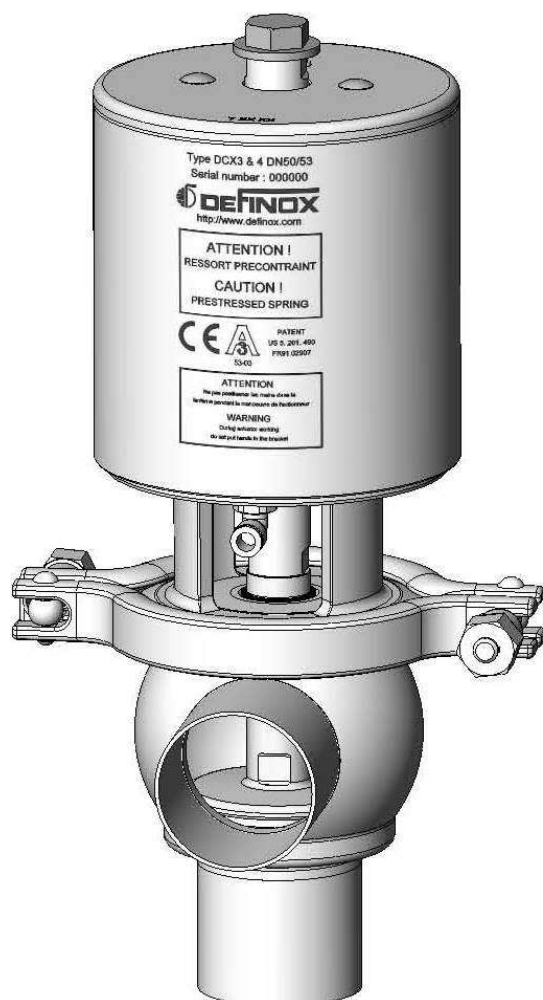
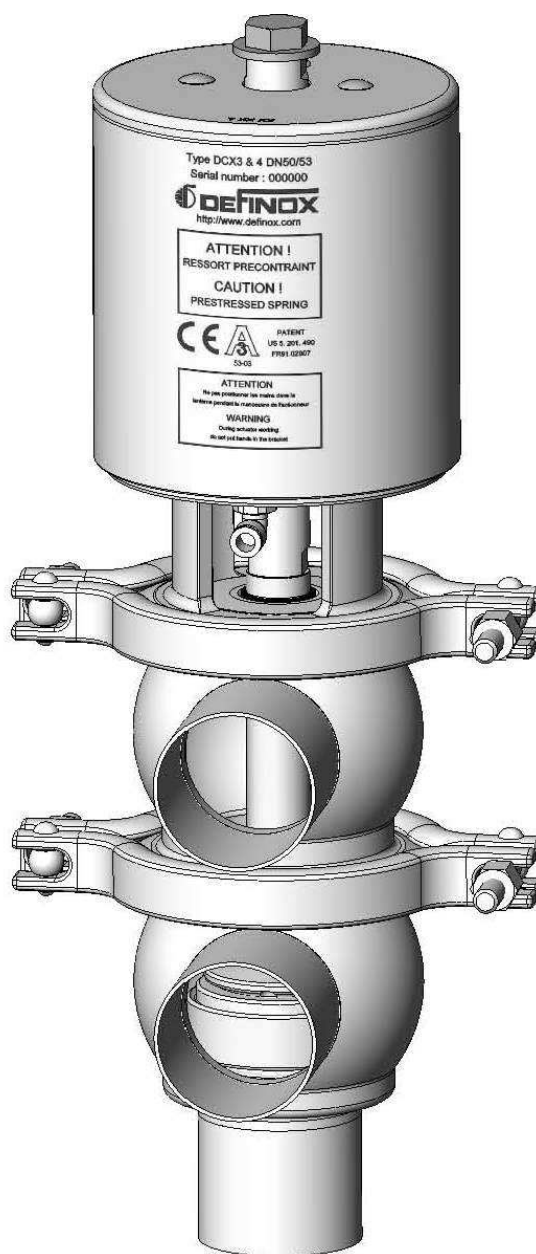


DCX3 & 4 AUTOMATIC CHANGEOVER VALVE

DCX3



DCX4



www.definox.com

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1 CHANGE MANAGEMENT

CHANGES	INDEX	DATE	PAGE(S)	INITIALS
New version	1	June 98	/	R. GABORIT
Page added on changing actuator configuration	2	July 98	11	R. GABORIT
Add spare parts	3	July 98	14 à 26	R. GABORIT
Addition of Note, No. 47 and DCX4 diaphragm valve spacer	4	November 98	9/18/26	R. GABORIT
Addition of tool and seal kit list page	5	January 99	11/27	R. GABORIT
No. of DN38 DCX4 valve changed	6	June 99	26	R. GABORIT
Addition of reference 48 to spare parts + Note	7	September 99	26 and 3	R. GABORIT
References 25 and 36 changed and seal kit added	8	November 99	19/20/25/26/27	R. GABORIT
DN125/150 spare parts added	9	May 2000	27	R. GABORIT
DN125/150 spare part reference 34 changed in spare parts	10	August 2000	27	R. GABORIT
Ring reference 24 number changed	11	November 2000	26/27	R. GABORIT
Ring and new No. added to aseptic lantern	12	March 2001	19/20/25/26/27	R. GABORIT
No. of DN3" DCX4 Plug 7005609 was 7007609	13	May 2001	27	R. GABORIT
Plug reassembly comment added	14	October 2001	13	R. GABORIT
Comment added on changing configuration. + e.g.: grease	15	February 2002	10/11	R. GABORIT
New US version of aseptic DCX3 added	16	March 2002	20/27/28/29	R. GABORIT
DN 4"/104 seal ref 24 changed	17	October 2002	28	R. GABORIT
DN80/104 ref 34 changed	18	October 2002	28	R. GABORIT
NITRILE R-ring ref. 36 for aseptic seat valve deleted	19	January 2004	19/20/21/26/29	R. GABORIT
2 pages + comment added, N125/150 ref 26 and 38 modified	20	October 2005	13/18/19/26/27/29/30	R. GABORIT
Aseptic version ref 25 and 38 changed	21	January 2007	29/30	D. VINET
Notice completely re-written following change to 2-part lantern	22	October 2007	All	R. GABORIT
Parts, seal sets, diaphragm & alcohol barrier valves changed	23	September 2008	2/19 to 22/27 to 42	G. ANDRE
Add DN80 DIN for aseptic 3A valve	24	Avril 2009	27/34	G. ANDRE
Update notice	25	September 2009	16/22/23/26 to 39	R. GABORIT
Add ring ref 67	26	November 2009	16/26/27/30	R. GABORIT
Add locking kit	27	October 2011	5	G. BEGAUD
Information split in two different documents (one for standard DCX valves NM-036 and a second one for other configurations NM-251)	28	March 2012	All	G.BEGAUD
Adding reference : 18 bis (lantern DN125-150 O'ring Ø4)	29	March 2012	9/10/14/16/17	T.PICOT
Adding safety devices	30	October 2015	6	G.BEGAUD
Add clamp collar tightening torque	31	August 2016	14	G.BEGAUD

2 **SAFETY**

2.1 **IMPORTANT INFORMATION**

Always read the maintenance notice before manipulating the valve



DANGER !

Failure to observe these instructions can result in serious bodily injury or loss of life.



CAUTION !

This can also result in less serious injuries or damage to the equipment.



DANGER !

Electricity can result in serious bodily injury or loss of life.



CAUTION !

This can also result in less serious injuries or damage to the equipment.

2.2 **GENERAL INFORMATION**



NOTE

The following advice is given to ensure optimum use of the equipment.

- The tasks must be performed in the order specified.

MAINTENANCE NOTICE Automatic DCX3 & 4 floating seal changeover valves.

3 **INTRODUCTION**

The disassembly process for DCX3 or DCX4 changeover valve is divided into two distinct steps :

3.1 DISASSEMBLING THE VALVE (Extracting the actuator and Plug assembly from the body of the valve)

This operation enables access to the plug seals (Changing the seals) and the removal of the actuator.

This is a straightforward procedure and can be performed on-site as it does not present any particular problems.

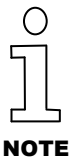
This is the case in the majority of maintenance operations on this type of valve.

3.2 DISASSEMBLING THE ACTUATOR (Changing the internal seals)



CAUTION: This operation must be performed using a special tool ensuring that the necessary precautions are taken. **(STRESSED SPRING)**

For changing from a NC valve to a NO or double-acting valve and vice versa, see "Changing configuration".



NOTE: After carrying out any maintenance work on DEFINOX products it is essential that you check the correct function of the equipment concerned: tightness, pressure, etc...

3.2.1 Safety devices

For the maintenance of NC and NO actuators, we offer on request maintenance sets preventing unintended operation of the plug when the actuator is supplied with air.



DANGER !

RISKS

When changing seals: Risk of trapping fingers between the actuator axis and the top of the seal plate



DCX3/4 NC (rod out)

SOLUTIONS

Maintenance tools for the NC actuator

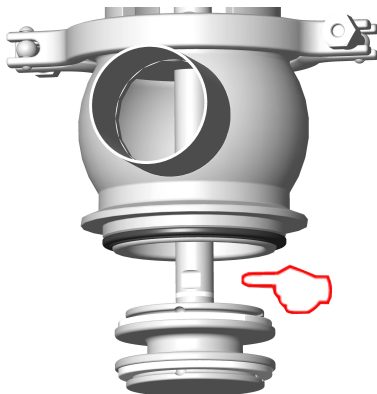
DN	Reference
DN25 - 40	7814986
DN51 and DN63 – 76	7814972
DN80 – 104	7814987
DN125 - 150	7814988



DANGER !

RISKS

When fitting and removing the valve:
Risk of trapping fingers between the valve and the valve body

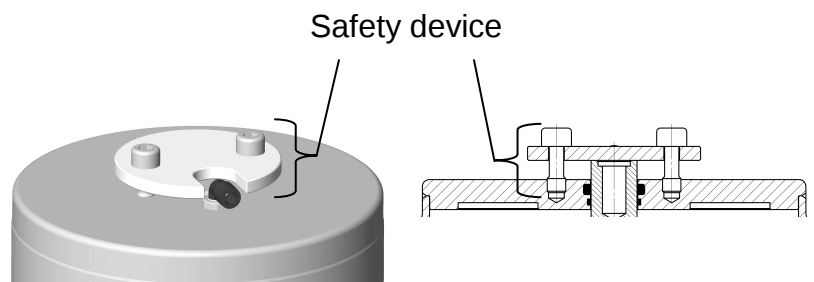


DCX4 NO (rod in)

SOLUTIONS

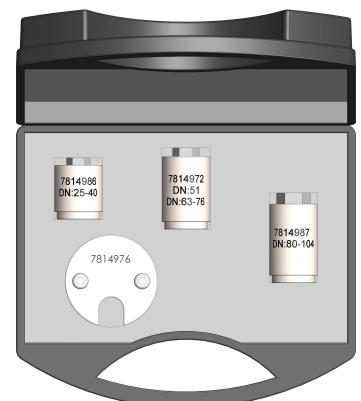
Maintenance tool for NO actuator

DN	Reference
DN25 – 150	7814976



A tool case reference 7815030 is available which includes the following tools:

- 7814986 ⇒ Maintenance tool for actuator NC DN25-40
- 7814972 ⇒ Maintenance tool for actuator NC DN51-76
- 7814987 ⇒ Maintenance tool for actuator NC DN80-104
- 7814976 ⇒ Maintenance tool for actuator NO DN25-150



4 **DISASSEMBLING THE VALVE**

Before starting the disassembly procedure, if the valve is fitted with a signalling box it may be necessary to detach the signalling unit from the actuator.

4.1 **DISASSEMBLING THE SIGNALLING BOX**



CAUTION !

Dismantling without disconnection

IMPORTANT: Before starting any work on the box, it is important to ensure that the air supply is closed and that the circuit is purged.



CAUTION !

Dismantling with disconnection

IMPORTANT: Before starting any work on the box, it is important to ensure that the mains supply is switched off, that the air supply is closed and that the circuit is purged.

To fit and remove the control top, refer to maintenance notice:



ICS LED
Maintenance notice
NM-258

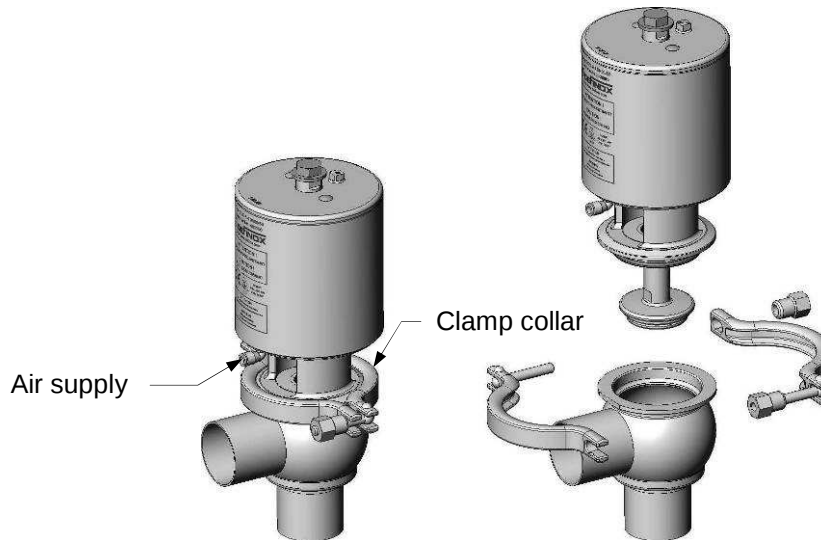
ACS LED
Maintenance notice
NM-259

For the previous generations control top, refer to maintenance notice:

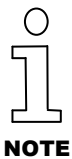
- NM-182 for the ICS control top
- NM-187 for the ACS control top

4.2 **DISASSEMBLING THE DCX3 VALVE CLAMP COLLAR**

- Supply air to the NC actuator to relieve the pressure on the clamp collar from the spring,
- Disassemble the clamp collar,
- Switch off the actuator air supply,
- Remove the actuator and plug assembly from the DCX3 body.



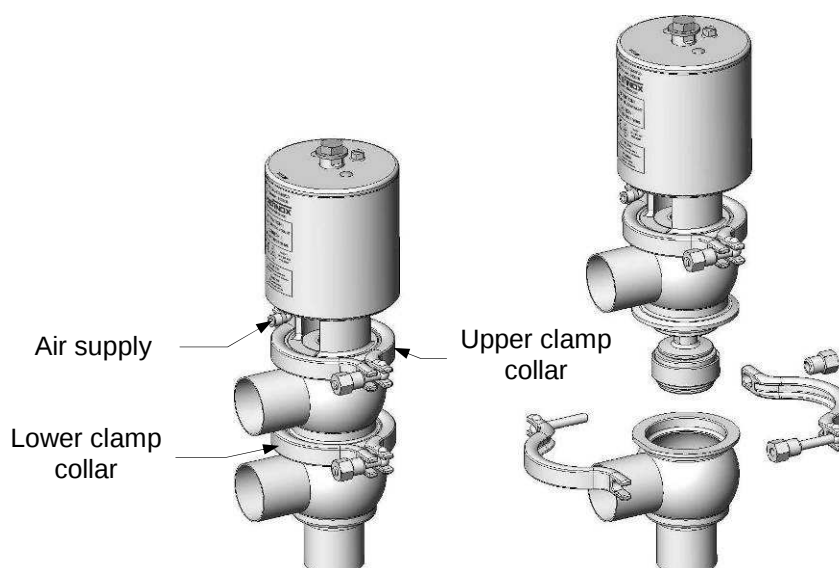
4.3 **DISASSEMBLING THE DCX4 VALVE CLAMP COLLAR**



NOTE

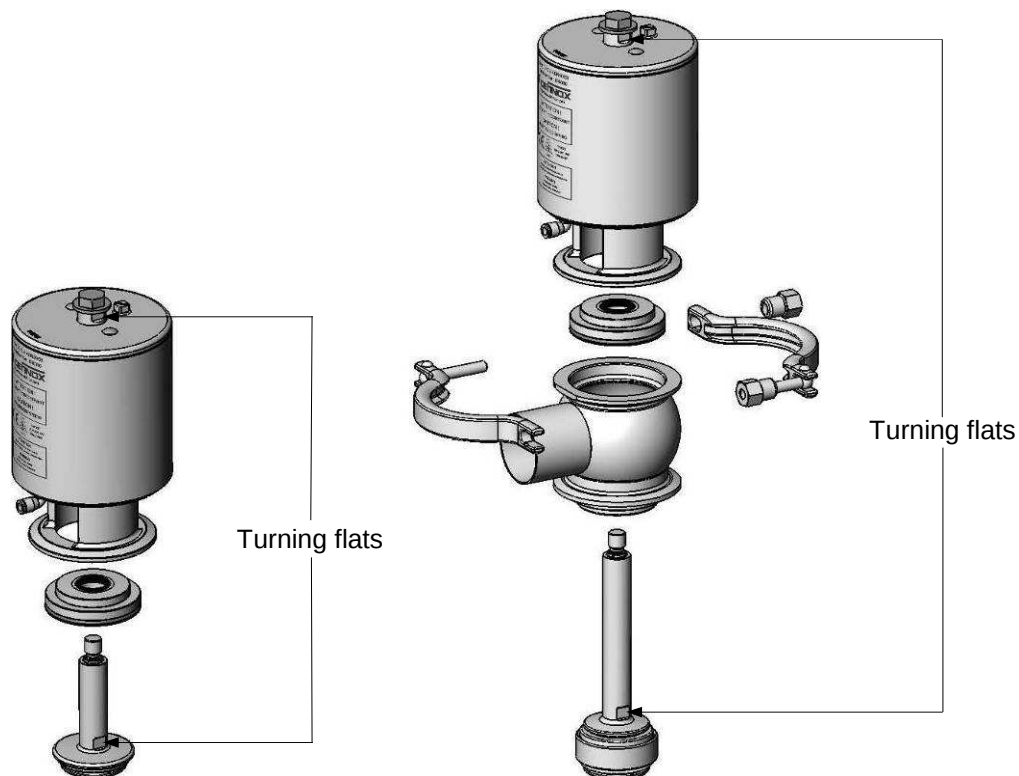
NOTE: If the upper body is installed between couplings, it may be easier to dismantle it and remove it together with the plug assembly of the DCX4 valve. In any cases, the bodies have to be moved apart in order to dismantle the valve.

- Supply air to the NC actuator to relieve the pressure on the clamp collar from the spring.
- Disassemble the lower clamp collar.



4.4 **DISASSEMBLING THE DCX3/4 PLUG**

- Unscrew the plug by means of the turning flats on the valve and on the actuator stem then remove the seal support plate.
- For the DCX4 valve, remove the upper clamp collar to separate the body from the actuator assembly then remove the seal support plate.



4.5 **DISMANTLING THE ACTUATOR**

4.5.1 **Dismantling the accessories**

Remove the air connection, the pierced cap, the plastic caps as well as the screw and the washer of the stem.



4.5.2 Dismantling the internal components of the actuator

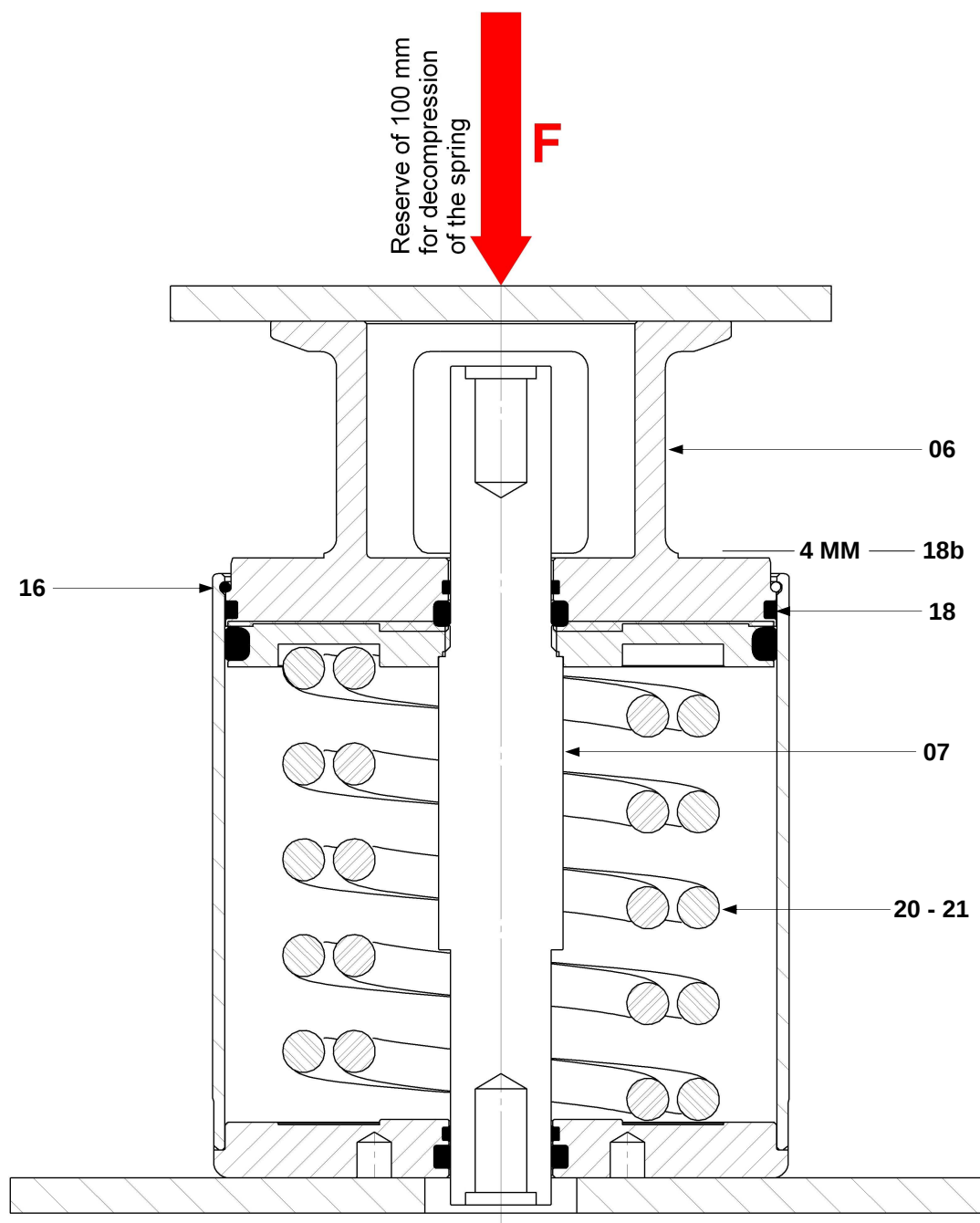


DANGER !

CAUTION: This is a hazardous operation if performed without using the correct tools. We recommend using a hydraulic press or a tool of the type shown in the diagram opposite (This tool must be made to accommodate a spring expansion of 100 mm).

With the actuator placed in vertically:

- Push down the lantern [06] to remove the snap-ring.
- Remove the snap-ring [16] from its recess using a small screwdriver.
- Release the pressure to allow the lantern to rise back.
- Take out the lantern together with its seal (18) or (18b) for DN125-150 marking of the lantern 4MM.
- Remove the stem/piston [07] and the spring(s) [20-21] from the actuator body.



5 CHANGING SEALS AND REASSEMBLY

5.1 INTRODUCTION

Our valve components are listed and referenced in this document, together with the information necessary for ordering your spare parts.

5.2 ASSEMBLING THE ACTUATOR

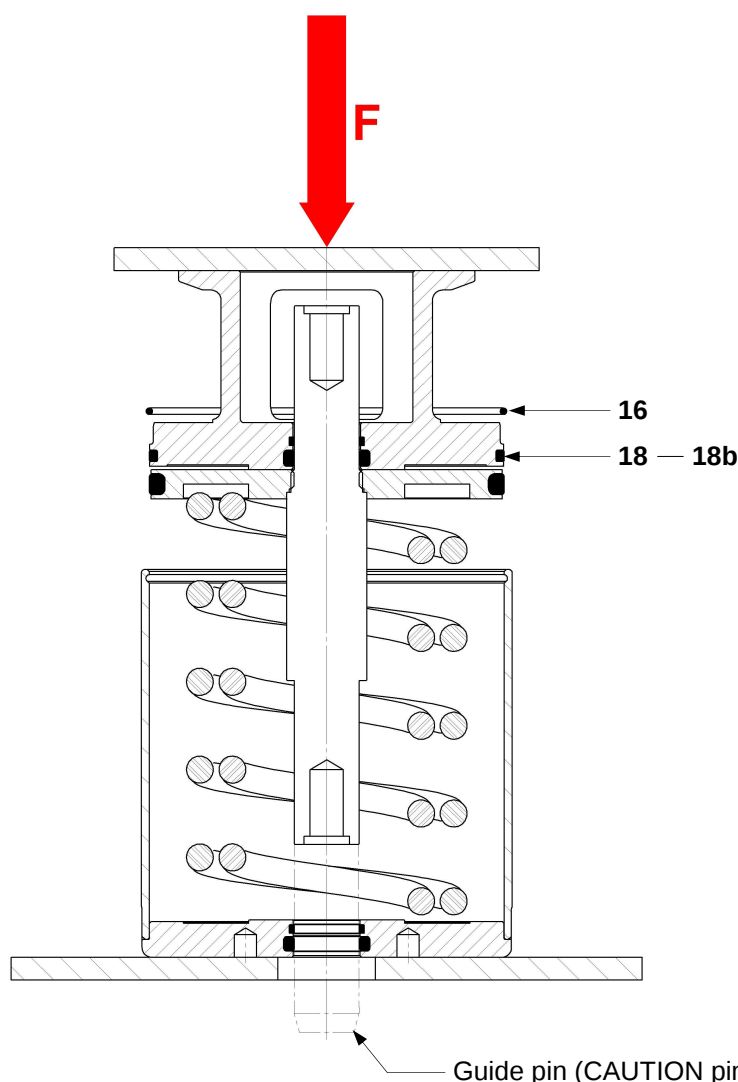


CAUTION !

CAUTION: For changing the actuator configuration from **NC** (Normally Closed) to **NO** (Normally Open) or **DA**. (Double Acting), see the following chapter.

This procedure is performed in the reverse order to dismantling. However, it is necessary to take into account the following information:

- A guide pin centered on the actuator stem ensured that the piston is properly centered in the body. It also avoids also avoids the piston jumping if the spring(s) slip(s) sideways during compression,
- Before reassembling the parts, ensure that the assembly is lubricated with an appropriate lubricant (water-resistant and temperature-resistant food grade → E.g., for information: 4025 H1 QUINPLEX by Lubrication Engineers). Ensure that the grease used is compatible with the elastomer seals,
- Take care not to damage the lantern seal [18] [18b] when fitting it with the press,
- Ensure that the snap-ring (16) is properly positioned in the recess of the body before releasing pressure,
- Test operation of the actuator before continuing assembly.



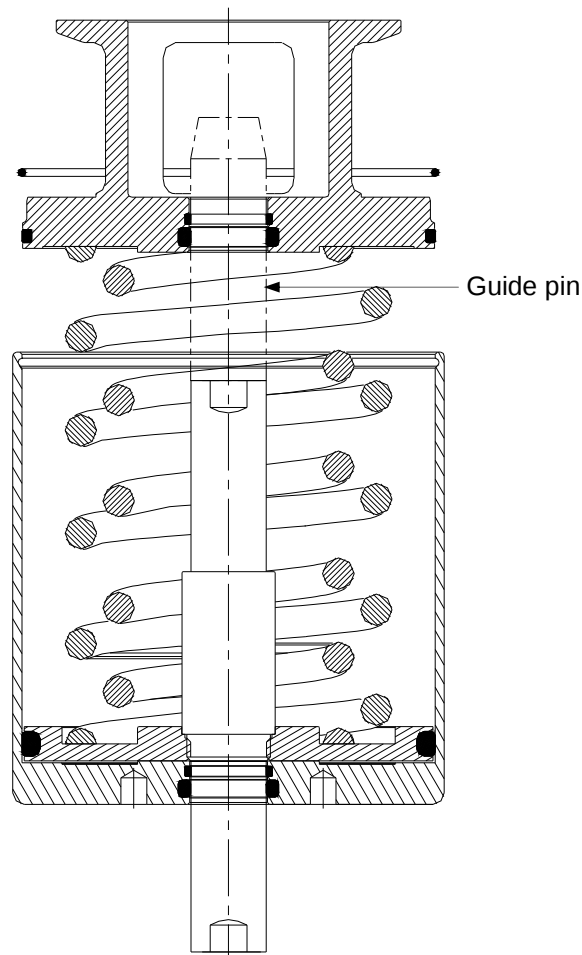
Guide pin No.	
DN	references
25 - 40	73 00453
51	73 00454
63 - 76	73 00455
80 - 125	73 00456

Guide pin (CAUTION pin protrudes during assembly)

5.3 **CHANGING ACTUATOR CONFIGURATION**

Transforming an **NC** actuator into a **NO**:

After opening the actuator, refit the stem/piston and spring assembly the other way around in the body.



NOTE !

NOTE: For your own safety, check that the snap-ring is properly positioned in its recess. If the snap-ring is damaged or deformed, it must be replaced.

NOTE: For DCX4 NO, there is a possible movement of the actuator body during the opening / close operation.

5.4 REPLACING PFA SEALS

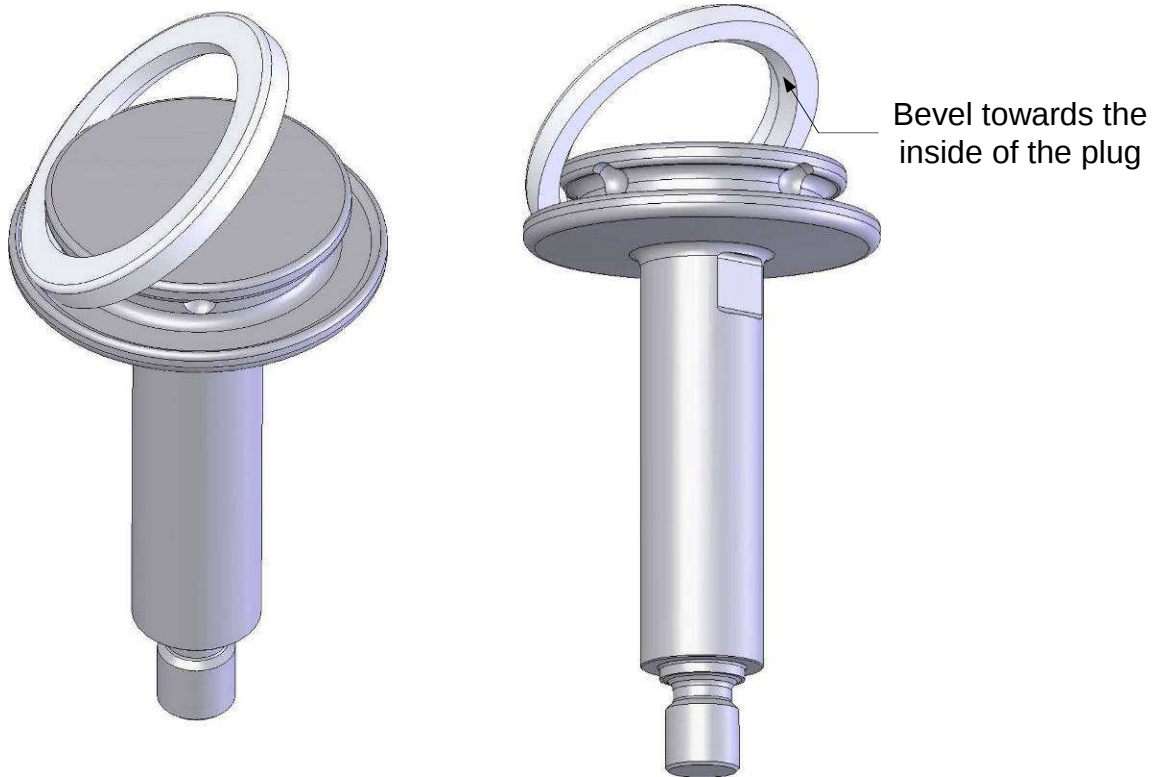
To change PFA seals, follow the guidelines given below:

- Remove the defective seal using a cutter taking care not to mark the bearing surface of the plug (protect the stainless steel surface using the edge of a steel rule or a plastic off-cut),
- Place the new seals in an oven at 140°C (+/- 3%) for 30 minutes.
 - ⇒ Do not exceed 200 °C.
 - ⇒ If the temperature is too low, there is a risk that the seal will deform or tear during installation.
- Insert the seal quickly from one side of the groove, then progressively push it into its housing.

NOTE: always insert the seal on the beveled side.



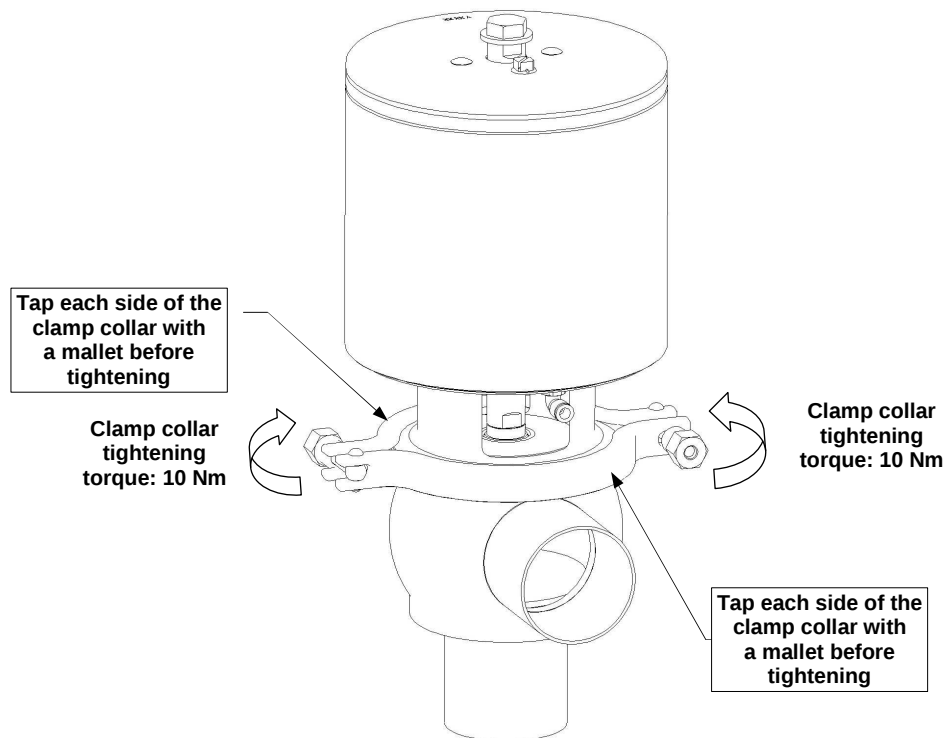
NOTE !



5.5 REASSEMBLING OF VALVES

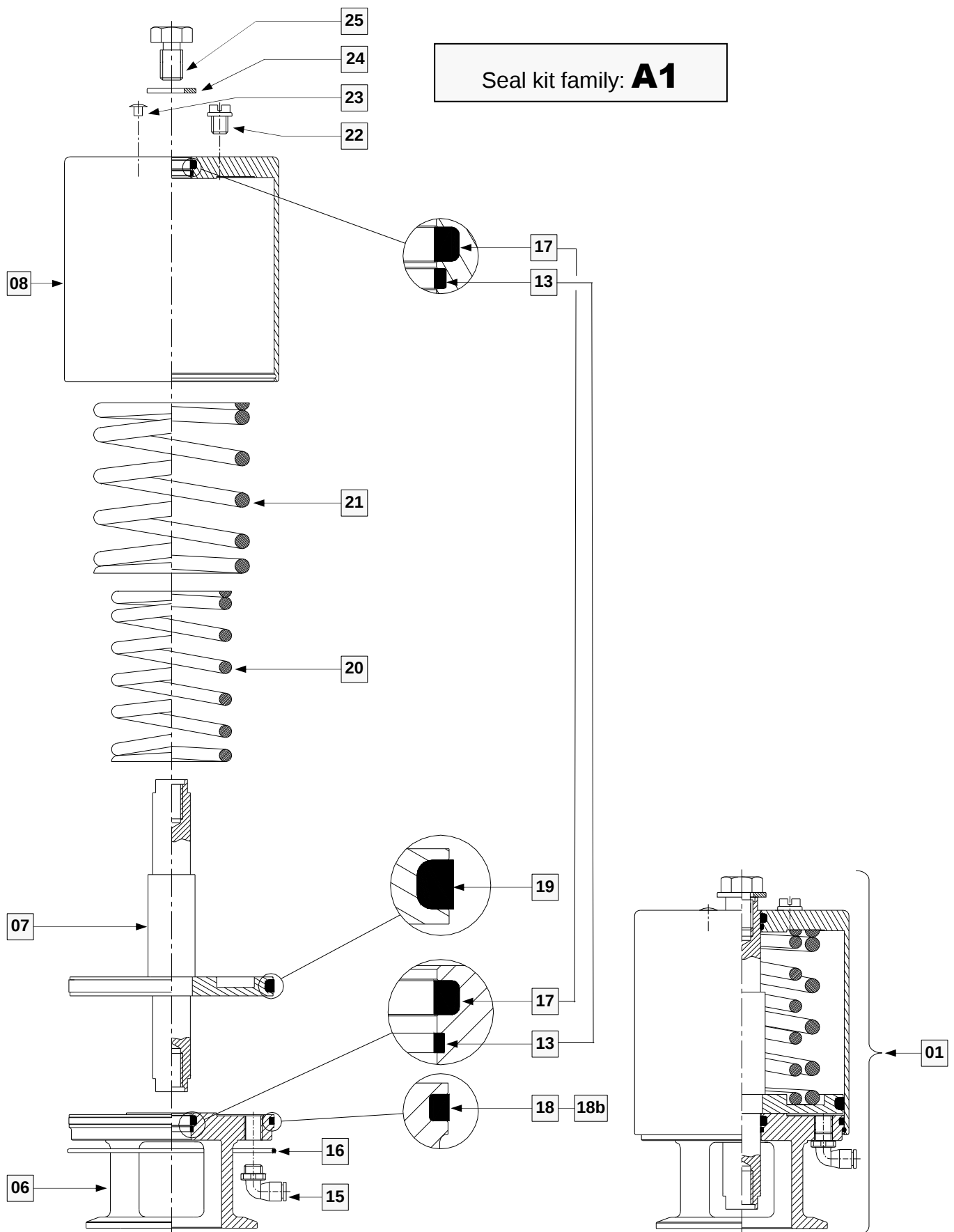
This operation is carried out in the reverse order to disassembly. You should follow the guidelines given below:

- We recommend using a **medium thread lock compound** to lock the plug during reassembly on the actuator and retightening the plug of diaphragm valves after first usage with temperature,
- Do not forget to supply air to the actuator before tightening the clamp collars,
- Before making the final network connections, check that the valve is operating normally. If you encounter difficulties when performing the operations described here, do not hesitate to contact us,
- You can also contact us regarding maintenance for your valves either on-site or at our own premises.

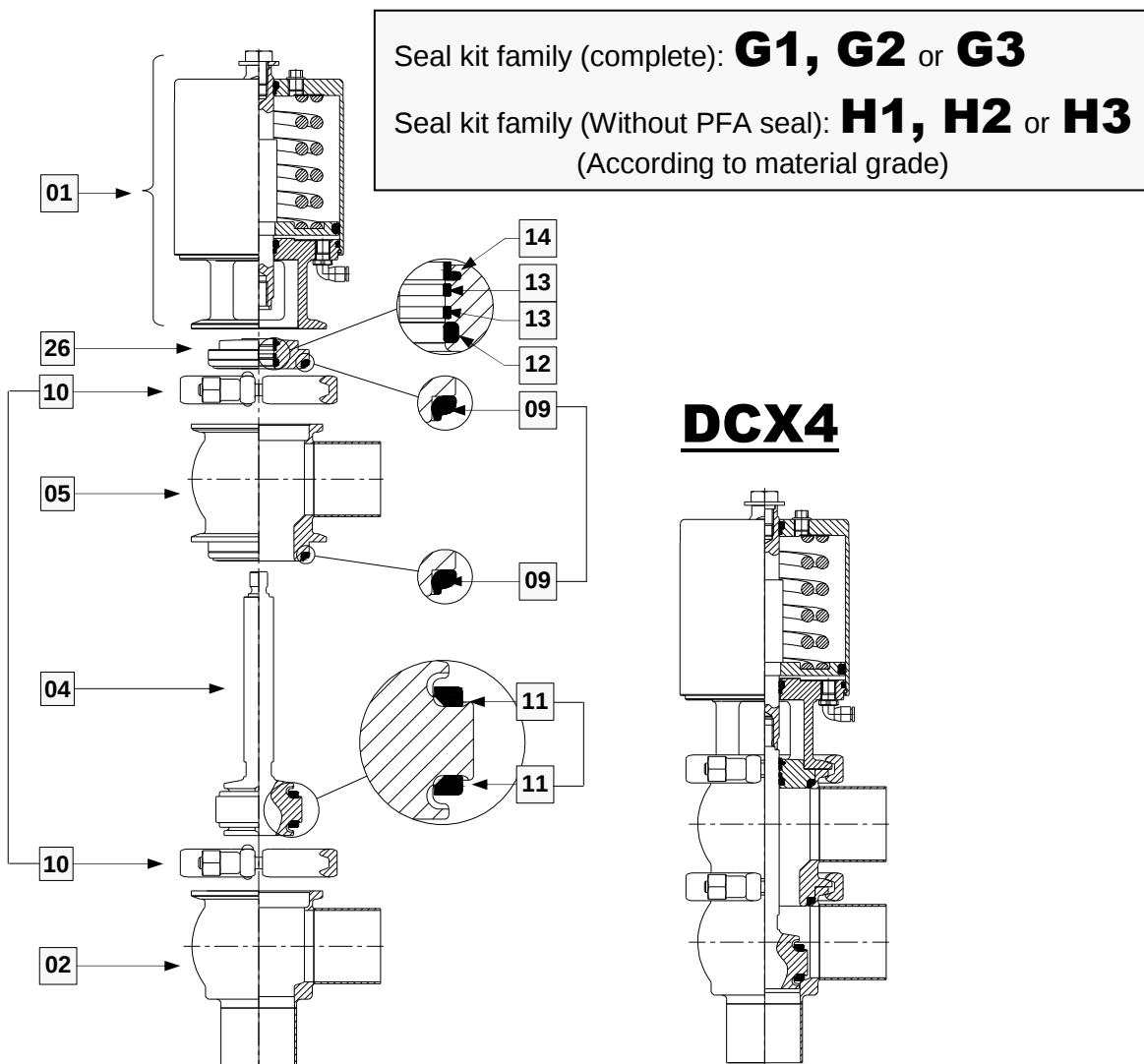
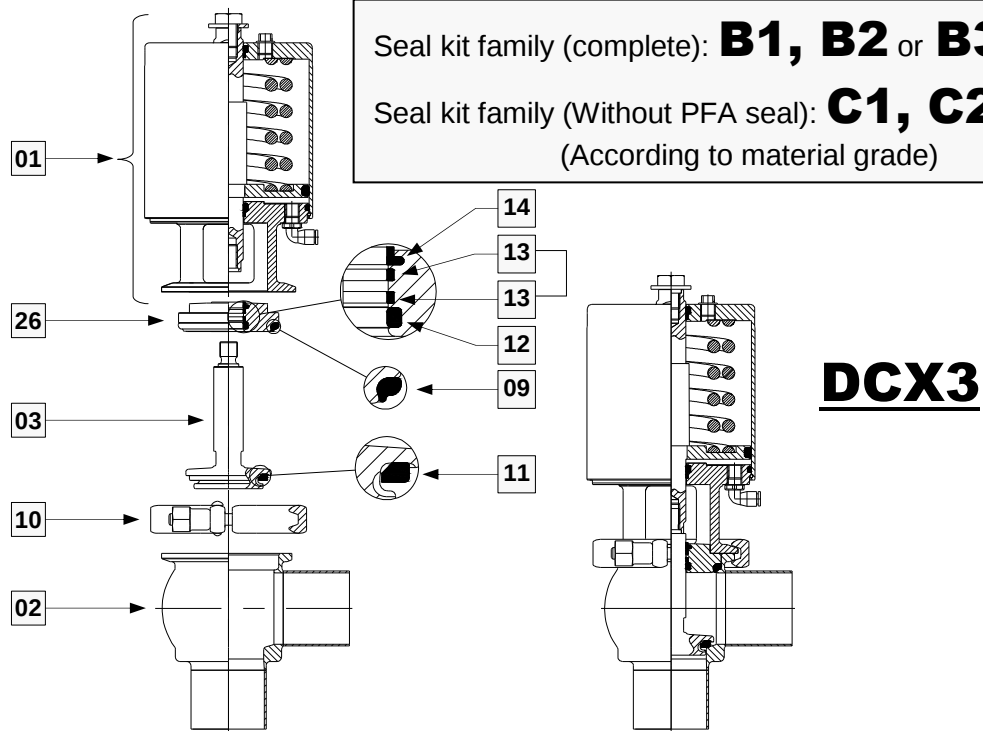


6 PARTS

6.1 STANDARD DCX VALVE ACTUATOR (DCX3/4 PFA)



6.2 DCX3/4 STANDARD PFA VALVE



6.3 LIST OF PART FOR 25 to 51 DCX3/4 AUTOMATIC VALVES

Guide	Description	Qty	DN25 SMS	DN1” US	DN25 DIN	DN32 SMS	DN38 SMS	DN1”1/2 US	DN40 DIN	DN2” US	DN51 SMS	DN50 DIN
01	Standard actuator DCX3/4	1	7100300						7100301			
02	DCX3 valve body	1	Depending on body configuration									
03	DCX3 standard plug	1	7005634			7005580			7005509			
04	DCX4 standard plug	1	7005640	7005641	7005640	7005679	7005579	7005578	7005579	7005514	7005518	
05	DCX4 valve body	1	Depending on body configuration									
06	Lantern for DCX3/4 standard valve	1	7301470						7301471			
07	DCX3/4 stem/piston assembly	1	7005573						7005511			
08	DCX3/4 actuator body	1	7005572						7005512			
09	Body O-ring EPDM FDA	1 - 2	7380158						7380159			
09	Body O-ring FKM FDA	1 - 2	7380607						7006130			
09	Body O-ring VMQ FDA	1 - 2	7006171						7006175			
10	Clamp collar	1 - 2	7441831						7441832			
11	Plug seal for DCX3/4 PFA	1 - 2	7005138						7005147			
12	Stem O-ring EPDM FDA	1	7380137						7380179			
12	Stem O-ring FKM FDA	1	7006157						7380620			
12	Stem O-ring VMQ FDA	1	7006170						7006035			
13	Lantern, of body and seal support plate ring	3 – 4	7009993						7009972			
14	Seal support plate scraper seal	1	7006147						7006030			
15	Adjustable male elbow	1 – 2	7010116									
16	Stainless steel snap-ring	1	7380174						7380157			
17	Lantern and body O-ring NBR	2	7380808						7380152			
17E	Lantern O-ring EPDM FDA	1-2	7380137						7380179			
17E	Lantern and body O-ring FKM FDA	2	7006157						7380620			
18	Lantern O-ring NBR	1	7380176						7380160			
18	Lantern O-ring FKM FDA	1	7380178						7030412			
19	Piston Torque seal NBR	1	7380316						7380161			
19	Piston O-ring FKM FDA	1	7380601						7006186			
20	Standard actuator spring (Small)	1							7007796			
21	Standard actuator spring (Large)	1	7007800						7007797			
22	Pierced plastic cap	1							7002496			
23	SKIFFY cap	2	7009954									
24	Actuator stem spring	1	7007415						7006797			
25	Actuator stem TH screw	1	7006806						7006814			
26	Seal support plate for DCX3/4 standard valve	1	7301474						7301475			

6.4 LIST OF PARTS FOR DN 63 TO 150 DCX3/4 AUTOMATIC VALVES

Guide	Description	Qty	DN2”1/ 2 US	DN63 SMS	DN65 DIN	DN3” US	DN76 SMS	DN80 DIN	DN80 ACT.104	DN4” US	DN104 SMS	DN125 DIN	DN150 DIN
01	Standard actuator DCX3/4	1	7100302						7100303			7100486	
02	DCX3 valve body	1	Depending on body configuration										
03	DCX3 standard and aseptic seat valve plug	1	7005651		7005667	7005601		7301953	7005560	7005528		7300403	7300414
04	DCX4 standard and aseptic seat valve plug	1	7005657	7005656	7005672	7005609	7005604	7301954	7005566	7005533	7005536	7300415	7300416
05	DCX4 body	1	Depending on body configuration										
06	Lantern for DCX3/4 standard valve	1	7301448						7301472			7301473	
07	DCX3/4 stem/piston assembly	1	7005596						7005530			7300401	
08	DCX3/4 actuator body	1	7005595						7005531			7300400	
09	Body O-ring EPDM FDA	1 - 2	7006164						7006183			7006216	
09	Body O-ring FKM FDA	1 - 2	7006131						7006063			7006129	
09	Body O-ring VMQ FDA	1 - 2	7006180						7006184				
10	Clamp collar	1 - 2	7441833						7441837			7441838	
11	Plug seal for DCX3/4 PFA	1 - 2	7005156					7301963	7140038	7005291		7300341	7300342
12	Stem O-ring EPDM FDA	1	7380179						7380152			7006160	
12	Stem O-ring FKM FDA	1	7380620						7380617				
12	Stem O-ring VMQ FDA	1	7006035						7006589				
13	Lantern, of body and seal support plate ring	3 - 4	7009972						7009973			7010261	
14	Seal support plate scraper seal	1	7006030						7006034				
15	Adjustable male elbow	1 - 2	7010116										
16	Stainless steel snap-ring	1	7007770						7007785			7007772	
17	Lantern and body O-ring NBR	2	7380152						7380802				
17E	Lantern O-ring EPDM FDA	1-2	7380179						7006160				
17E	Lantern and body O-ring FKM FDA	2	7380620						7380617				
18	Lantern O-ring NBR	1	7006118						7006049			7006001	
18	Lantern O-ring FKM FDA	1	7006259						7006260				
18h	Lantern O-ring NBR	1											
19	Piston Torque seal NBR	1	7006101						7006137			7006107	
19	Piston O-ring FKM FDA	1	7006284						7006418				
20	Standard actuator spring (Small)	1	7007726						7007761			7007825	
21	Standard actuator spring (Large)	1	7007760						7007762			7007777	
22	Pierced plastic cap	1	7002496										
23	SKIFFY cap	2	7009954										
24	Actuator stem spring	1	7006797						7006796				
25	Actuator stem TH screw	1	7006814						7006815				
26	Seal support plate for DCX3/4 standard valve	1	7301449						7301476			7301477	

6.5 LIST OF REFERENCES OF SEAL KITS FOR DCX3/4 AUTOMATIC VALVES.

DESCRIPTION			DN 25-40	DN 50-51	DN 63-76	DN 80	DN80 ACT.104	DN 100-104	DN 125	DN 150
For details of kit A see following chapter	1	Actuator seal kit for DCX3/4 standard	7070600	7070601	7070602		7070603		7070800	
		Actuator seal kit for DN125-150 DCX3/4 standard 4MM								7071327
DCX3										
For details of kit B see following chapter	1	PFA/EPDM FDA seal kit for DCX3 standard valve (Complete)	7070608	7070609	7070610	7070998	7070550	7070611	7070801	7070804
	2	PFA/FKM FDA seal kit for DCX3 standard valve (Complete)	7070624	7070625	7070626	7070999	7070551	7070627	7070802	7070805
	3	PFA/VMQ FDA seal kit for DCX3 standard valve (Complete)	7070628	7070629	7070630	7071000	7070552	7070631		
For details of kit C see following chapter	1	EPDM FDA seal kit for DCX3 standard valve (Without PFA seal)	7070612	7070613	7070614		7070615		7070807	
	2	FKM FDA seal kit for DCX3 standard valve (Without PFA seal)	7070616	7070617	7070618		7070619		7070808	
	3	VMQ FDA seal kit for DCX3 standard valve (Without PFA seal)	7070620	7070621	7070622		7070623			
DCX4										
For details of kit G see following chapter	1	PFA/EPDM FDA seal kit for DCX4 standard valve (Complete)	7070604	7070605	7070606	7071001	7070553	7070607	7070812	7070815
	2	PFA/FKM FDA seal kit for DCX4 standard valve (Complete)	7070644	7070645	7070646	7071002	7070554	7070647	7070813	7070816
	3	PFA/VMQ FDA seal kit for DCX4 standard valve (Complete)	7070648	7070649	7070650	7071003	7070555	7070651		
For details of kit H see following chapter	1	EPDM FDA seal kit for DCX4 standard valve (Without PFA seal)	7070632	7070633	7070634		7070635		7070818	
	2	FKM FDA seal kit for DCX4 standard valve (Without PFA seal)	7070636	7070637	7070638		7070639		7070819	
	3	VMQ FDA seal kit for DCX4 standard valve (Without PFA seal)	7070640	7070641	7070642		7070643			

6.6 DETAILS OF SEAL SETS FOR DCX3/4 VALVES

NBR actuator seal sets for **DCX3/4 standard**:

A1		Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
				DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-104 SMS 100 DIN	DN125-150 DIN	DN125-150 DIN (4MM)	
				DN1"-1"1-2 US	DN2" US	DN3" US		DN4" US	DN6" US		
Kit No.				7070600	7070601	7070602		7070603	7070800	7071327	
Guide	Description	Qty	Seal reference								
13	Lantern and actuator body ring	2	7009993	7009972			7009973		7010261		
17	Lantern and actuator body O-ring NBR	2	7380808	7380152			7380802				
18	Lantern O-ring NBR	1	7380176	7380160	7006118		7006049		7006001		
18b	Lantern O-ring 4MM NBR	1									7011100
19	Piston Torque seal NBR	1	7380316	7380161	7006101		7006137		7006107		

PFA/EPDM FDA valve seal kits for DCX3 standard valves (Complete):

B1	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS						
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN	
			DN1"-1"1/2 US	DN2" US	DN3" US			DN4" US		DN6" US	
Kit No.			7070608	7070609	7070610	7070998	7070550	7070611	7070801	7070804	
Guide	Description	Qty	Seal reference								
09	Body O-ring EPDM FDA	1	7380158	7380159	7006164		7006183		7006216		
11	DCX3/4 plug seal PFA	1	7005138	7005147	7005156	7301963	7140038	7005291	7300341	7300342	
12	Stem O-ring EPDM FDA	1	7380137	7380179			7006160				
13	Seal support plate ring.	2	7009993	7009972			7009973				
14	Seal support plate scraper seal	1	7006147	7006030			7006034				

PFA/FKM FDA valve seals for DCX3 standard valves (Complete):

B2	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS						
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-		104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1/2 US	DN2" US	DN3" US			DN4" US		DN6" US	
Kit No.			7070624	7070625	7070626	7070999	7070551	7070627	7070802	7070805	
Guide	Description	Qty	Seal reference								
09	Body O-ring FKM FDA	1	7380607	7006130	7006131		7006063		7006129		
11	DCX3/4 plug seal PFA	1	7005138	7005147	7005156	7301963	7140038	7005291	7300341	7300342	
12	Stem O-ring FKM FDA	1	7006157	7380620			7380617				
13	Seal support plate ring.	2	7009993	7009972			7009973				
14	Seal support plate scraper seal	1	7006147	7006030			7006034				

PFA/VMQ FDA valve seals for DCX3 standard valves (Complete):

B3	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1/2 US	DN2" US	DN3" US			DN4" US		DN6" US
Kit No.			7070628	7070629	7070630	7071000	7070552	7070631		
Guide	Description	Qty	Seal reference							
09	Body O-ring VMQ FDA	1	7006171	7006175	7006180		7006184			
11	DCX3/4 plug seal PFA	1	7005138	7005147	7005156	7301963	7140038	7005291		
12	Stem O-ring VMQ FDA	1	7006170	7006035			7006589			
13	Seal support plate ring.	2	7009993	7009972			7009973			
14	Seal support plate scraper seal	1	7006147	7006030			7006034			

EPDM FDA valve seal kits for DCX3 standard valves (Without PFA seal):

C1	Diameter		DN25-38 SMS		DN51 SMS	DN63-76 SMS							
			DN25-40 DIN		DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-		104 SMS 100 DIN		DN125 DIN	DN150 DIN
			DN1"-1"1/2 US		DN2" US	DN3" US			DN4" US			DN6" US	
Kit No.			7070612	7070613	7070614		7070615			7070807			
Guide	Description	Qty	Seal reference										
09	Body O-ring EPDM FDA	1	7380158	7380159	7006164		7006183			7006216			
12	Stem O-ring EPDM FDA	1	7380137	7380179		7006160							
13	Seal support plate ring.	2	7009993	7009972		7009973							
14	Seal support plate scraper seal	1	7006147	7006030		7006034							

FKM FDA valve seal kits for DCX3 valves (Without PFA seal):

C2	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1/2 US	DN2" US	DN3" US			DN4" US		DN6" US
Kit No.			7070616	7070617	7070618		7070619		7070808	
Guide	Description	Qty	Seal reference							
09	Body O-ring FKM FDA	1	7380607	7006130	7006131		7006063		7006129	
12	Stem O-ring FKM FDA	1	7006157	7380620			7380617			
13	Seal support plate ring.	2	7009993	7009972			7009973			
14	Seal support plate scraper seal	1	7006147	7006030			7006034			

VMQ FDA valve seal kits for DCX3 valves (Without PFA seal):

C3	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1-2 US	DN2" US	DN3" US			DN4" US		DN6" US
Kit No.			7070620	7070621	7070622		7070623			
Guide	Description	Qty	Seal reference							
09	Body O-ring VMQ FDA	1	7006171	7006175	7006180		7006184			
12	Stem O-ring VMQ FDA	1	7006170	7006035			7006589			
13	Seal support plate ring.	2	7009993	7009972			7009973			
14	Seal support plate scraper seal	1	7006147	7006030			7006034			

PFA/EPDM FDA valve seal kits for DCX4 standard valves (Complete):

G1	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS						
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN	
			DN1",-1"1-2 US	DN2" US	DN3" US			DN4" US		DN6" US	
Kit No.			7070604	7070605	7070606	7071001	7070553		7070607	7070812	7070815
Guide	Description	Qty	Seal reference								
09	Body O-ring EPDM FDA	2	7380158	7380159	7006164		7006183		7006216		
11	DCX3/4 plug seal PFA	2	7005138	7005147	7005156	7301963	7140038	7005291	7300341	7300342	
12	Stem O-ring EPDM FDA	1	7380137	7380179			7006160				
13	Seal support plate ring.	2	7009993	7009972			7009973				
14	Seal support plate scraper seal	1	7006147	7006030			7006034				

PFA/FKM FDA valve seals for DCX4 standard valves (Complete):

G2	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS						
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN	
			DN1"-1"1-2 US	DN2" US	DN3" US			DN4" US		DN6" US	
Kit No.			7070644	7070645	7070646	7071002	7070554		7070647	7070813	7070816
Guide	Description	Qty	Seal reference								
09	Body O-ring FKM FDA	2	7380607	7006130	7006131		7006063		7006129		
11	DCX3/4 plug seal PFA	2	7005138	7005147	7005156	7301963	7140038	7005291	7300341	7300342	
12	Stem O-ring FKM FDA	1	7006157	7380620			7380617				
13	Seal support plate ring.	2	7009993	7009972			7009973				
14	Seal support plate scraper seal	1	7006147	7006030			7006034				

PFA/VMQ FDA valve seals for DCX4 standard valves (Complete):

G3		Diameter		DN25-38 SMS		DN51 SMS	DN63-76 SMS												
				DN25-40 DIN		DN50 DIN		DN65 DIN		DN80 DIN		DN80 ACT.100 DIN-		104 SMS 100 DIN		DN125 DIN		DN150 DIN	
				DN1"-1"1/2 US		DN2" US		DN3" US						DN4" US				DN6" US	
Kit No.				7070648		7070649		7070650		7071003		7070555		7070651					
Guide	Description		Qty	Seal reference															
09	Body O-ring VMQ FDA		2	7006171		7006175		7006180				7006184							
11	DCX3/4 plug seal PFA		2	7005138		7005147		7005156		7301963		7140038		7005291					
12	Stem O-ring VMQ FDA		1	7006170		7006035						7006589							
13	Seal support plate ring.		2	7009993		7009972						7009973							
14	Seal support plate scraper seal		1	7006147		7006030						7006034							

EPDM FDA valve seal kits for DCX4 standard valves (Without PFA seal):

H1	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1-2 US	DN2" US	DN3" US			DN4" US		DN6" US
Kit No.			7070632	7070633	7070634		7070635		7070818	
Guide	Description	Qty	Seal reference							
09	Body O-ring EPDM FDA	2	7380158	7380159	7006164		7006183		7006216	
12	Stem O-ring EPDM FDA	1	7380137	7380179		7006160				
13	Seal support plate ring.	2	7009993	7009972		7009973				
14	Seal support plate scraper seal	1	7006147	7006030		7006034				

FKM FDA valve seal kits for DCX4 valves (Without PFA seal):

H2	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1”-1”1-2 US	DN2” US	DN3” US			DN4” US		DN6” US
Kit No.			7070636	7070637	7070638		7070639		7070819	
Guide	Description	Qty	Seal reference							
09	Body O-ring FKM FDA	2	7380607	7006130	7006131		7006063		7006129	
12	Stem O-ring FKM FDA	1	7006157	7380620			7380617			
13	Seal support plate ring.	2	7009993	7009972			7009973			
14	Seal support plate scraper seal	1	7006147	7006030			7006034			

VMQ FDA valve seal kits for DCX4 valves (Without PFA seal):

H3	Diameter		DN25-38 SMS	DN51 SMS	DN63-76 SMS					
			DN25-40 DIN	DN50 DIN	DN65 DIN	DN80 DIN	DN80 ACT.100 DIN-	104 SMS 100 DIN	DN125 DIN	DN150 DIN
			DN1"-1"1-2 US	DN2" US	DN3" US			DN4" US		DN6" US
Kit No.			7070640	7070641	7070642		7070643			
Guide	Description	Qty	Seal reference							
09	Body O-ring VMQ FDA	2	7006171	7006175	7006180		7006184			
12	Stem O-ring VMQ FDA	1	7006170	7006035		7006589				
13	Seal support plate ring.	2	7009993	7009972		7009973				
14	Seal support plate scraper seal	1	7006147	7006030		7006034				

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