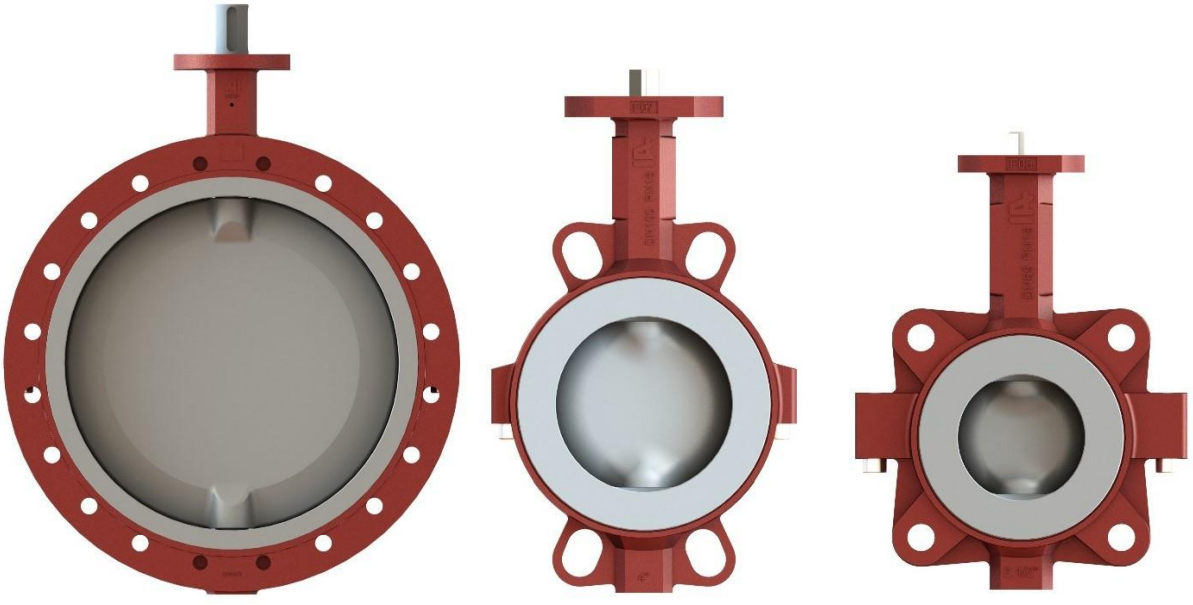
RICHTER Process Pumps & Valves

Series NKS-I, NKSP-I,
NKL-I, NKLP-I,
NKU-I, NKUP-I

Shut-off and Control Butterfly Valve

U-style body: Series NKU-I/F
Wafer-style body: Series NKS-I/F
Lug-style body: Series NKL-I/F



Keep for future use!

This operating manual must be strictly observed before transport, installation, operation and maintenance

9520-023-en Revision 00 Edition 03/2023

Installation

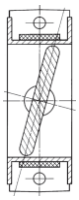
Introduction:

To guarantee the benefits of the RICHTER butterfly valves Quarter turn valve, proper procedures and compliance with the installation instruction are essential. The installation has to be carried out according to the state of the art and only by qualified personnel. RICHTER reserves the right to decline responsibility for damage or premature failure if the recommendations contained in this instruction are not being followed. Please consult the RICHTER datasheet «Flanges» concerning the allowed flange dimensions. Consult the corresponding valve datasheet concerning the installation of a valve at the end of the line. Dimension, material and application range of the butterfly Quarter turn valve are according to the technical documentation of the Quarter turn valve. If using the valve in explosive atmospheres, please consider the technical documentation "RICHTER butterfly valves for use in potentially explosive atmospheres".

Storage:

RICHTER butterfly valves Quarter turn valve should always be stored in the original package - never expose them to dust. For single-acting actuators a locking plate has been fitted into the bracket, blocking the stem at a disc opening of 10 – 15 °. The valve is supplied with the disc in a slightly open position and should remain so until the installation is completed. (Fig. 1) Butterfly valves supplied with a single acting spring closing pneumatic actuator should be stored with disassembled actuator, this to avoid a lasting deformation of the liner. The actuator should be mounted only after the installation of the valve in the piping.

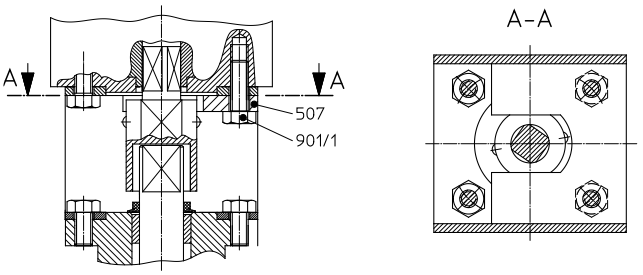
1



Precautions to be taken prior to installation:

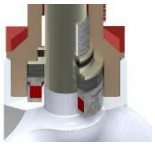
Remove the locking plate 507 before the first test actuation, screw in again hex. screw 901/1. Slightly actuate the actuator. (FIG. 2) Please make sure that the valve intended for installation is suitable for the service conditions prevailing. The responsibility about the used fluids (corrosion resistance, pressure, temperature, etc.) lies by the user of the plant. Call your supplier or RICHTER if you need any assistance.

2



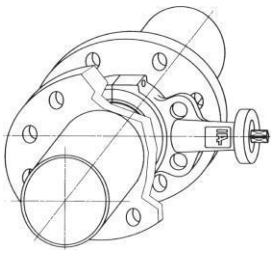
Check before installation:

Positioning:



For the installation of valves in horizontal pipelines, we recommend to install the valves with their shaft in a horizontal position. Please ensure that the lower edge of the disc opens with the direction of the flow.This prevents deposition of slurries and contamination in the shaft sealing area. (Fig. 3) Please consider that turbulences (i.e. created by piping bow) generate hydro dynamic forces increasing the operating torque of the valve. We recommend installing the valve minimum 5 x DN after pipe fittings.

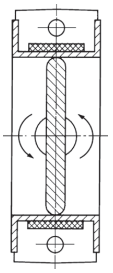
3



Gaskets:

There is no need to use gaskets between the flanges and the valve.
However, where the valve has to be mounted between flanges which are uneven or slightly distorted, PTFE-envelope gaskets should be fitted. (Fig. 4)

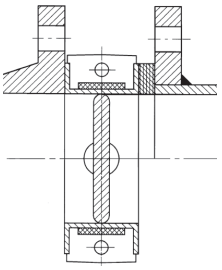
4



Actuator-Torque:

The PTFE liner, during extended period of storage, has the tendency to deform along the contact line with the valve disc. This will result in an increase of the working torque of the valve. By rotating the disc 360° for several times, after the valve is installed, the liner will regain its original shape and the torque returns to its initial rating. (Fig. 5)

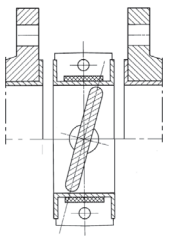
5



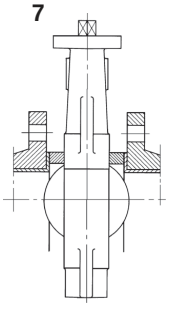
Installation:

Flange facings must be smooth and clean. Rust, welding scores, rests of paint, dirt, etc. must be removed in order to prevent damage of the valve gasket. (Fig.6)
Quarter turn valve butterfly valves, in wafer style design, are suitable for installation between DIN PN10/16 or ANSI 150 flanges. Please consult the RICHTER datasheet « Flanges » concerning the allowed flange dimensions. For the installation of valve between flanges of other standards consult RICHTER or its authorised distributors.
The valve should not be mounted in pipes, where the actual bore diameter is less than the nominal bore dimension of the valve. In that case, spacer rings should be fitted between flanges and valve to prevent damage to the disc on opening. (Fig.7)
The valve should never be installed between flanges which are not parallel to each other. Make sure that pipes and valves are installed concentric. The disc of a misaligned valve may be damaged. (Fig.8). Furthermore, it is absolutely inadmissible to carry out any welding on the piping while the valve is between the flanges. This would destroy the liner of the valve.

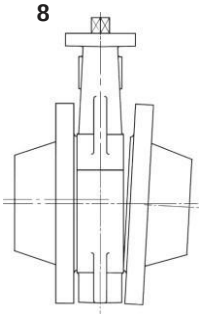
6



7

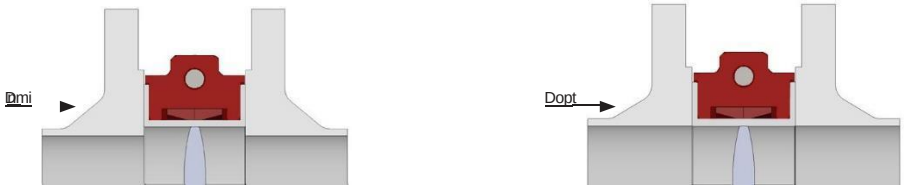


8



Flange inside diameter:

The RICHTER butterfly valve has to be mounted between flanges without gasket. It has bidirectional tightness. Consult the corresponding valve datasheet concerning the installation of a valve at the end of the line. It is centered by stay-bolts or by screws. The diameter of the flange should be in accordance with the stated values Dopt, Dmin, Dmax.



D_{min} Minimum diameter of the flange enabling to move the disc (in case of a perfectly centered valve)

D_{opt} Diameter of the flange for optimal mounting.

DN	32/40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900
Dmin	31	50	47	74	94	120	148	199	249	298	338	395	444	492	588	692	734	789	885
Dopt	40	50	65	80	100	125	150	200	250	300	339	400	450	500	600	703	750	803	900

When mounting the valve at the end of a line please contact technical department

Flange bolting tightening torques:

PTFE has the tendency to cold-flow. Therefore, it is very important to observe the tightening torques of the flange bolting according to the table below.

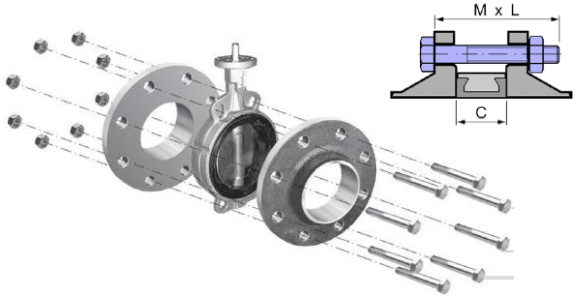
DN		PN10		PN16		ANSI UNC		ANSI metr.	
[mm]	[inch]	[Nm]	[lb-in]	[Nm]	[lb-in]	[Nm]	[lb-in]	[Nm]	[lb-in]
32	1 ¼"	40	357	40	357	33	288	31	271
40	1 ½"	40	357	40	357	33	288	31	271
50	2"	52	460	52	460	52	462	52	460
65	2 ½"	52	460	52	460	52	462	52	460
80	3"	32	285	32	285	65	573	64	571
100	4"	45	396	45	396	45	398	45	396
125	5"	55	483	55	483	65	578	68	603
150	6"	90	794	90	794	86	760	90	794
200	8"	112	993	75	662	107	950	112	993
250	10"	116	1028	139	1234	129	1144	127	1124
300	12"	137	1209	164	1451	152	1345	149	1321

DN		PN10		PN16		ANSI UNC		ANSI metr.	
[mm	[inch	[Nm]	[lb-in]	[Nm]	[lb-in]	[Nm]	[lb-in]	[Nm]	[lb-in]
350	14"	142	1255	170	1506	240	2126	227	2009
400	16"	160	1414	178	1578	169	1496	160	1414
450	18"	183	1620	204	1808	273	2413	255	2259
500	20"	188	1664	234	2070	224	1983	210	1857
600	24"	249	2200	303	2681	293	2592	277	2453
700	28"	275	2436	335	2968	278	2460	263	2327
750	30"	-	-	-	-	355	3141	336	2972
800	32"	386	3415	462	4085	419	3706	396	3502
900	36"	453	4011	542	4797	502	4442	474	4198
1000									
1200									

Bolting:

Wafer + U-section body DN 32 - 400

A Bolt with nut

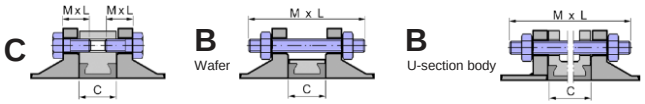


		PN 6		PN 10		PN 16		ANSI 150	
			A		A		A		A
DN	C	n	M x L	n	M x L	n	M x L	n	UNC x L [Inch]
32	30	4	M12x80	4	M16x100	4	M16x100	4	UNC ½"-13 x 3 ¼"
40	33	4	M12x90	4	M16x100	4	M16x100	4	UNC ½"-13 x 3 ½"
50	43	4	M12x100	4	M16x110	4	M16x110	4	UNC ⅝"-11 x 4"
65	46	4	M12x100	4	M16x110	4(8)	M16x110	4	UNC ⅝"-11 x 4 ½"
80	46	4	M16x110	8	M16x120	8	M16x120	4	UNC ⅝"-11 x 4 ½"
100	52	4	M16x120	8	M16x120	8	M16x120	8	UNC ⅝"-11 x 5"
125	56	8	M16x120	8	M16x130	8	M16x130	8	UNC ¾"-10 x 5"
150	56	8	M16x120	8	M20x140	8	M20x140	8	UNC ¾"-10 x 5 ¼"
200	60	8	M16x130	8	M20x150	12	M20x150	8	UNC ¾"-10 x 5 ½"
250	68	12	M16x140	12	M20x160	12	M24x170	12	UNC ⅞"-9 x 6 ¼"
300	78	12	M20x160	12	M20x170	12	M24x180	12	UNC ⅞"-9 x 6 ¾"
350	78	12	M20x160	16	M20x170	16	M24x190	12	UNC 1"-8 x 7 ¼"
400	102	16	M20x190	16	M24x200	16	M27x220	16	UNC 1"-8 x 8 ¼"

Wafer + U-section body DN 450 - 900

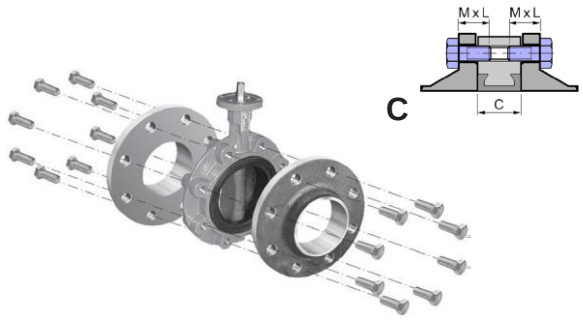
B Stay bolt with 2 nuts + **C** bolt

		PN 10				PN 16				ANSI 150			
		B		**C**		**B**		**C**		**B**		**C**	
DN	C	n	M x L	n	M x L	n	M x L	n	M x L	n	UNC x L [Inch]	n	UNC x L [Inch]
400	102	16	M24x200	-	-	16	M27x220	-		16	UNC 1"-8 x 8 ¼		
450	113	16	M24x240	8	M24x60	16	M27x280	8	M27x80	12	UNC 1 ⅛"-7 x 9"	8	UNC 1⅛"-7 x 3½"
500	126	16	M24x250	8	M24x60	16	M30x310	8	M30x90	16	UNC 1 ⅛"-7 x 10"	8	UNC 1 ⅛"-7 x 4"
600	153	16	M27x290	8	M27x70	16	M33x360	8	M33x100	16	UNC 1¼"-7 x 11½"	8	UNC 1¼"-7 x 4½"
700	165	20	M27x310	8	M27x70	20	M33x340	8	M33x90	24	UNC 1 ¼"-7 x 12"	8	UNC 1 ¼"-7 x 5"
800	190	20	M30x340	8	M30x80	20	M36x370	8	M36x90	24	UNC 1½"-6 x 16½"	8	UNC 1 ½"-6 x 7"
900	203	24	M30x360	8	M30x80	24	M36x390	8	M36x90	28	UNC 1 ½"-6 x 17"	8	UNC 1½"-6 x 7½"



LUG type DN 32 - 400

C Bolt



		PN 10		PN 16		ANSI 150	
		C		**C**		**C**	
DN	C	n	M x L	n	M x L	n	UNC x L [Inch]
32	30	8	M16X30	8	M16X30	8	UNC ½"-13 x 1"
40	33	8	M16X30	8	M16X30	8	UNC ½"-13 x 1 ¼"
50	43	8	M16x30	8	M16x30	8	UNC ⅝"-11 x 1 ½"
65	46	8	M16x40	8	M16x40	8	UNC ⅝"-11 x 1 ½"
80	46	16	M16x40	16	M16x40	8	UNC ⅝"-11 x 1 ¾"
100	52	16	M16x40	16	M16x40	16	UNC ⅝"-11 x 2"
125	56	16	M16x50	16	M16x50	16	UNC ¾"-10 x 2"
150	56	16	M20x50	16	M20x50	16	UNC ¾"-10 x 2"
200	60	16	M20x50	24	M20x50	16	UNC ¾"-10 x 2"
250	68	24	M20x60	24	M24x60	24	UNC ⅞"-9 x 2 ½"
300	78	24	M20x60	24	M24x60	24	UNC ⅞"-9 x 2 ½"
350	78	32	M20x60	32	M24x60	24	UNC 1"-8 x 2 ¾"
400	102	32	M24x70	32	M27x80	32	UNC 1"-8 x 3 ¼"

n = number of bolts for one valve

Function test:

Prior starting to use the installation, we recommend to make a function test. Therefore, the valve must be opened and closed at least once in order to check that the disc doesn't touch the flanges and that the valve is tight through the passage and toward outside.

If a pressure test of the complete piping system is being carried out, it is very important that the testing pressure is not higher than the nominal pressure of the valve. An overpressure could destroy the valve.

Cleansing of the piping:

When cleansing the piping system, it is very important to assure that the cleaning products and devices are harmless for the valve. Not convenient products and devices might destroy the valve.

Removal:

Before removing the valve from the pipe consider that dangerous fluids might leak. Corresponding measures of precaution have to be applied.

When removing the valve from the pipe please take care not to damage the disc and the liner of the valve.

Disposal:

Please notice that some residues could remain in the inner of the valve and that they might be dangerous for people or the environment. Therefore, the butterfly valve has to be handled with the corresponding caution. After its use, the butterfly valve has to be disposed of according to the state of the art and under consideration of the environment.

Maintenance

Introduction:

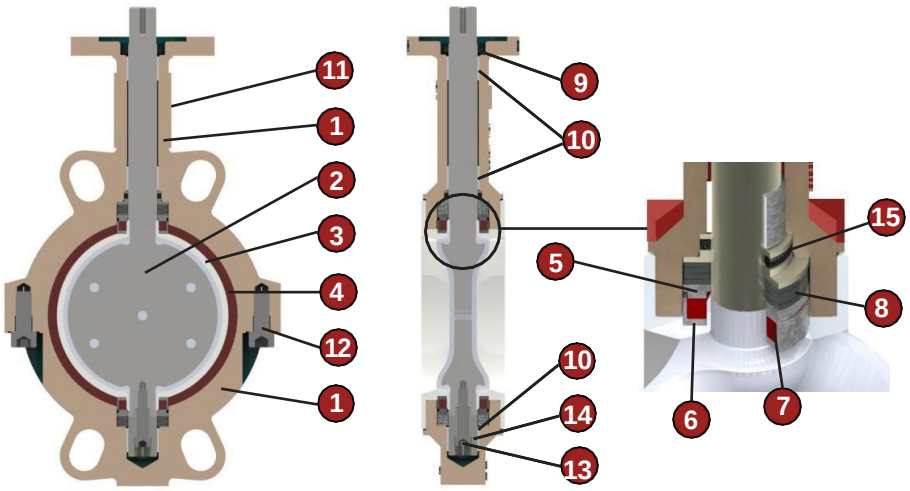
Please notice that fluid residues inside the butterfly could be dangerous for humans and the environment. The butterfly valve must be handled accordingly and be cleaned carefully prior to the maintenance.

Maintenance is made at the own risk of the user. Maintenance on a QUARTER TURN VALVE must be executed by trained staff only. Only original spare parts are to be used.

The Teflon parts of the QUARTER TURN VALVE are very fragile and only a small scratch causes already a leaking. Thus, these parts have to be handled very carefully.

The frequency of replacement of the wear parts, is highly dependent on the fluid, cycles, operating conditions, etc. The user should include in its maintenance program a chapter for inspecting the valves to check the wear parts and change them if necessary. In the next paragraph the spare parts are identified. Please contact RICHTER to obtain the specific codes and additional information for the recommended spare parts.

1. Parts of a QUARTER TURN VALVE



Parts list	
1	2-piece body
2	Disc (PFA-coated/1.4435; AISI 316L)
3	Liner (PTFE)
4	Backliner (2 pieces)
5	Thrust collar (2 pieces)
6	Pressure capsule (2 pieces)
7	Seal (2 pieces)
8	Spring washer (8 pieces)
9	V-Ring
10	Bushing (3 pieces)
11	Label / Tag
12	Bolts of body (2 pieces)
13	Extension screw only for sizes DN50-100
14	Extension only for sizes DN50-100
15	TA-Luft seal (optional)

2. Disassembly

2.1 Disassembly of the body halves:

Important: Before the body is disassembled, mark the body halves. It is important to reassemble the body halves in their original configuration.
Unscrew both body bolts (12) alternately (body halves are spring loaded) and remove them. Pay attention not to lose spring washers or seals. Remove Liner and disc unit. Afterwards remove O-ring and backliners.

3. Reassembly

You may reassemble the valve in reverse order of disassembly. You should clean all parts before reassembling. It is necessary to replace all seals. Please use the pre-mounted spare part kit including disc/shaft/liner and all seals and springs.

3.1 Reassembly of the liner and disc into the body:

Please stand the top body half on the top flange upside down on a surface or piece of wood with a hole for the shaft. Glue only the end of the backliners onto the body. This will hold the backliner In place during reassembly. Put the 4 spring washers and the thrust collar into the shaft bore of the top body half and following also the thrust collar. Put the pressure capsule and the seal over the long end of the shaft and make sure that the pressure capsule fits right on the liner. Then put the disc/shaft into the top body half. The position of the backliner has to be controlled before the installation of the bottom body half.

3.2 Assembling of the 2 body halves:

Now you can mount the bottom body half. Note the marks on the body halves. Screw the body bolts alternately in, but keep 3mm between the body halves. From time to time, move the disc 2-3 times. This will insure proper alignment. Afterwards you can compress the body halves. **The disc has to be closed during this process**. Finally, insert the V-ring on the shaft on the actuator mounting flange.

Before using the valve in a piping system, if it is required to make a tightness test (e.g. EN 12266-1) or similar as well as a function test. Afterwards, put the disc in a slightly open position, so that the disc edge doesn't surpass the flange surface. This position must be kept until the valve is being installed.

RICHTER
Process Pumps & Valves
A Unit of IDEX Corporation

Konformitätserklärung DGRL 2014/68/EU
Declaration of Conformity PED 2014/68/EU

Hersteller
Manufacturer

InterApp Technics AG
Grundstrasse 24
6343 Rotkreuz
Switzerland

Händler
Distributor

Richter Chemie-Technik GmbH
Otto-Schott-Straße 2
47906 Kempen
Germany

Wir erklären, dass die nachfolgend aufgeführten Armaturen die Sicherheitsanforderungen der Druckgeräterichtlinie 2014/68/EU erfüllen.
We declare that the valves listed below comply with the requirements of the Pressure Equipment Directive 2014/68/EU.

Beschreibung der Armaturen
Description of the valves
PTFE-Absperrklappe
PTFE Lined Butterfly Valve

Bauart:
Design:
Absperr- und Regelklappe
Shut-off and control butterfly valve

Baureihe / *Series*:	**Nennweite** / *Size:*
NKS-I, NKL-I, NKSP-I, NKLP-I	DN 32 - 150 & 1¼" - 6" PN 16 - ANSI class 150 - p max. 16 bar
NKS-I, NKL-I, NKSP-I, NKLP-I	DN 200 - 300 & 8" - 12" PN 10 - ANSI class 150 - p max. 10 bar
NKS-I, NKSP-I	DN 350 - 600 & 14" - 24" PN 10 - ANSI class 150 - p max. 6 bar
NKL-I, NKLP-I	DN 350 - 400 & 14" - 16" PN 10 - ANSI class 150 - p max. 6 bar
NKU-I, NKUP-I	DN 450 - 700 & 18" - 28" PN 10 - ANSI class 150 - p max. 6 bar
NKU-I, NKUP-I	DN 750 & 30" PN 10 - ANSI class 150 - p max. 2,5 bar
NKU-I, NKUP-I	DN 800 - 900 & 32" - 36" PN 10 - ANSI class 150 - p max. 6 bar
NKS-I, NKL-I, NKSP-I, NKLP-I	DN 200 - 300 & 8" - 12" PN 16 - ANSI class 150 - p max. 16 bar - with disc in Super Duplex 1.4469
NKS-I, NKSP-I	DN 350 - 600 & 14" - 24" PN 10 - ANSI class 150 - p max. 10 bar - with disc in 1.4462, 1.4542 or core 1.0577 and shaft 1.4542
NKL-I, NKLP-I	DN 350 - 400 & 14" - 16" PN 10 - ANSI class 150 - p max. 10 bar - with disc in 1.4462, 1.4542 or core 1.0577 and shaft 1.4542

Einstufung der Armaturen
Classification of the valves
Fluid Group 1, incl. unstable gases

Konformitätsbewertungsverfahren
Conformity Assessment Procedure
Module B + C2

Benannte Stelle für die Kontrolle
Notified Body for the Inspection
Swiss Safety Center AG
Kennnummer 1253
CH-8304 Wallisellen

EU-Baumusterprüfung Nr.
EU Type Examination
PED-Z-COS.EP.5522923 (Module B) 27.08.2030

Konformität mit Bauart Nr.
Conformity to type
PED-Z-COS.EP.5127195 (Module C2) 02.09.2025

Angewendete Normen
Technical Standards used
EN 593; EN 1563; EN 12266-1; EN 12516; EN 10213

Eine auftragsbezogene Konformitätserklärung wird auf Wunsch ausgestellt.
An order related conformity declaration will be issued on request.

Bevollmächtigter für den Hersteller
Authorised Person for the Manufacturer

Name: Olivier Notz, PM
Name

Unterschrift:
Signature:

Datum: 12.01.2023
Date:

RICHTER
Process Pumps & Valves
A Unit of IDEX Corporation

CE Konformitätserklärung FDA & 2014/68/EU
Declaration of Conformity FDA & 2014/68/EU

Hersteller ***Manufacturer***	**InterApp Technics AG** Grundstrasse 24 6343 Rotkreuz Switzerland
Händler ***Distributor***	**Richter Chemie-Technik GmbH** Otto-Schott-Straße 2 47906 Kempen Germany

Wir erklären, dass die nachfolgend aufgeführten Armaturen die Sicherheitsanforderungen der Druckgeräterichtlinie 2014/68/EU erfüllen.
We declare that the valves listed below comply with the requirements of the Pressure Equipment Directive 2014/68/EU.

Beschreibung der Armaturen: ***Description of the valves:***	PTFE-Absperrklappe *PTFE Lined Butterfly Valve*
Bauart: ***Design:***	Absperr- und Regelklappe *Shut-off and control butterfly valve*
Baureihen: ***Series*:**	NKS-I, NKSP-I, NKL-I, NKLP-I, NKU-I, NKUP-I
Richtlinie: ***Directive :***	FDA Regulation 21 CFR §177.15 50 2014/68/EU, EU Nr. 10/2011, EU Nr. 1935/2004, 84/500/EWG, 2005/31/EG
Mediumberührte Werkstoffe: ***Materials of media-wetted parts:***	PFA PTFE Mod. PTFE 1.4404 1.4408

Der Hersteller InterApp Technics AG bescheinigt hiermit, dass in medium berührten Teilen der o.a. Baureihen Materialien verwendet wurden, welche die Vorschriften der FDA Regulation 21 CFR §177.15 50, die Verordnungen 2014/68/EU, EU Nr. 10/2011, EU Nr. 1935/2004, 84/500/EWG und 2005/31/EG erfüllen bzw. dafür die allgemeinen Unbedenklichkeitsbescheinigungen des Herstellers/Lieferanten oder Prüflabors vorliegen. Entsprechende Einzelnachweise sind vorhanden.

The manufacturer, InterApp Technics AG, herewith certifies that in medium-wetted parts of the above-mentioned series materials were used which satisfy the provisions of the FDA Regulation 21 CFR §177.15 50 and Directives 2014/68/EU, EU no. 10/2011, EU Nr. 1935/2004, 84/500/EWG and 2005/31/EG or for which general compliance certificates of the manufacturer/supplier/test laboratory are available. Relevant individual proof can be provided.

Eine auftragsbezogene Konformitätserklärung wird auf Wunsch ausgestellt.
An order related conformity declaration will be issued on request.

Bevollmächtigter für den Hersteller
Authorised Person for the Manufacturer

Name: Olivier Notz, PM
Name

Unterschrift:
Signature:

Datum: 07.11.2023
Date:

RICHTER
Process Pumps & Valves
A Unit of IDEX Corporation

Herstellererklärung ATEX Richtlinie 2014/34/EU
Manufacturer's Declaration ATEX Directive 2014/34/EU

Hersteller
Manufacturer

InterApp Technics AG
Grundstrasse 24
6343 Rotkreuz
Switzerland

Händler
Distributor

Richter Chemie-Technik GmbH
Otto-Schott-Straße 2
47906 Kempen
Germany

Im Sinne der EU-Richtlinie 2014/34/EU vom 26. Februar 2014 und mit den zu ihrer Umsetzung erlassenen Rechtsvorschriften erklärt der Hersteller, dass das in der Betriebsanleitung und Sicherheitsanleitung beschriebene, explosionsgeschützte ausgeführte Produkt

Zentrische Absperrklappe

- **DN32-900, Gehäuseform U-style, wafer-style, U-style**

kein Gerät im Sinne des Artikels 1 der Richtlinie 2014/34/EU ist.

Corresponding to EC directive 2014/34/EU dated 26 February 2014 and to the legal regulations the manufacturer declares, that the explosion proofed product described in the operating and safety instructions

Centric Butterfly Valve

- ***DN32-900, body type U-style, wafer-style, U-style***

is no equipment according to article 1 of the directive 2014/34/EU.

Eine Zündgefahrenanalyse gemäß IEC 80079-36 wurde durchgeführt und bestätigt, dass die Absperrklappe selbst keine eigene Zündquelle hat. Die Armaturen können in explosionsgefährdete Bereiche eingesetzt werden.
An ignition risk analysis acc. to IEC 80079-36 has been carried out and confirms that the butterfly valve itself has no own ignition source. The valves can be used in potentially explosive atmospheres.

In potentiell gefährlichen Umgebungen ist der Betreiber dazu verpflichtet, gefährliche Zündquellen auszumachen, eine Risikoanalyse der gesamten Anlage durchzuführen und die notwendigen vorbeugenden Massnahmen einzuleiten. Dazu ist gegebenenfalls der Einsatz von leitfähigen Ausführungen notwendig.
Elektrische und mechanische Antriebe, sowie Zubehör müssen gesonderten Konformitätsbewertungen nach ATEX unterzogen werden.
Der Betreiber ist aufgefordert sämtliche Sicherheitshinweise für Anwendungen in explosionsgefährdeten Umgebung zu betrachten.
Ergänzende Sicherheitshinweise enthält das Dokument «absperrklapen-fuer-explosiongefaehrdetenbereich- xxxx.pdf», das unter www.interapp.net à DOWNLOADS à Absperrklappen à «Absperrklappen für explosionsgefährdeten Bereich» heruntergeladen werden kann.

In potentially explosive areas, the user is obliged to identify dangerous ignition sources, perform a risk analysis of the entire system and initiate the necessary preventive measures. Therefore, the use of conductive versions might be necessary.
***Electrical and mechanical actuators as well as accessories** are subject to a separate conformity analysis according to ATEX.*
The user is responsible to consider all the safety instructions for applications in explosion hazardous areas.
*Additional safety instructions for the proper selection the InterApp valves materials and their use in explosion hazardous zones are listed in the document „butterfly-valves-for-potentially-explosiveatmospheres-xxxx.pdf “, which can be downloaded from **www.interapp.net** à DOWNLOADS à Butterfly Valves à “Valves for potentially explosive atmospheres”.*

Bevollmächtigter für den Hersteller
Authorised Person for the Manufacturer

Name: Olivier Notz, PM
Name

Unterschrift:
Signature:

Datum: 21.06.2023
Date:

RICHTER
Process Pumps & Valves

IDEX

Richter Chemie-Technik GmbH · Postfach 10 06 09 · D-47883 Kempen

08.01.2015

Declaration of no objection

Dear Sirs,

The compliance with laws for the industrial safety obligates all commercial enterprises to protect their employees and/or humans and environment against harmful effects while handling dangerous materials.
The laws are such as: the Health and Safety at Work Act (ArbStättV), the Ordinance on Harzadous Substances (GefStoffV, BIOSTOFFV), the procedures for the prevention of accidents as well as regulations to environmental protection, e.g. the Waste Management Law (AbfG) and the Water Resources Act (WHG)

An inspection/repair of Richter products and parts will only take place, if the attached explanation is filled out correctly and completely by authorized and qualified technical personnel and is available.

In principle, radioactively loaded devices sent in, are not accepted.

Despite careful draining and cleaning of the devices, safety precautions should be necessary however, the essential information must be given.

The enclosed declaration of no objection is part of the inspection/repair order. Even if this certificate is available, we reserve the right to reject the acceptance of this order for other reasons.

Best regards
RICHTER CHEMIE-TECHNIK GMBH

Richter Chemie-Technik GmbH
Otto-Schott-Straße 2
D-47906 Kempen
USt. Id. Nr. DE 811 127 054

Telefon + 49 (0) 21 52 / 146- 0
Telefax + 49 (0) 21 52 / 146- 190
richter-info@idexcorp.com
www.richter-ct.com

J.P. Morgan AG, Frankfurt/Main · Kto. Nr. 6 161 507 538 (BLZ 501 108 00)
BIC/SWIFT: CHASDEFX · IBAN Code: DE61 5011 0800 6161 5075 38
Sitz der Gesellschaft: Kempen · Amtsgericht Krefeld HRB 9635
Geschäftsführer: Barbara Wladarz, Bret A. Prybylski

Safety Information / Declaration of No Objection Concerning the Contamination of Richter-Pumps, -Valves and Components

1 SCOPE AND PURPOSE

Each entrepreneur (operator) carries the responsibility for the health and safety of his employees. This extends also to the personnel, who implements repairs with the operator or with the contractor.

Enclosed declaration is for the information of the contractor concerning the possible contamination of the pumps, valves and component sent in for repair. On the basis of this information for the contractor is it possible to meet the necessary preventive action during the execution of the repair.

Note: The same regulations apply to repairs **on-site**.

2 PREPARATION OF DISPATCH

Before the dispatch of the aggregates the operator must fill in the following declaration completely and attach it to the shipping documents. The shipping instructions indicated in the respective manual are to be considered, for example:

- Discharge of operational liquids
- remove filter inserts
- lock all openings hermetically
- proper packing
- Dispatch in suitable transport container
- Declaration of the contamination fixed **outside!!** on the packing

Declaration about the Contamination of Richter Pumps, -Valves and Components

RICHTER Process Pumps & Valves

The repair and/or maintenance of pumps, valves and components can only be implemented if a completely filled out declaration is available. If this is not the case, delay of the work will occur. If this declaration is not attached to the devices, which have to be repaired, the transmission can be rejected.

Every aggregate has to have it's own declaration.

This declaration may be filled out and signed only by authorized technical personnel of the operator.

Contractor/dep./institute :	Reason for transmitting ❄ Please mark the applicable
	Repair: o subject to fee o Warranty
Street :	**Austausch:** o subject to fee o Warranty
Postcode, city :	o Exchange/ Replacement already initiated/received
Contact person :	**Return**: o Leasing o Loan o for credit note
Phone : Fax :	
End user :	

A. Details of Richter-product:

Classification:
Article number:
Serial number:

Failure description:

B. Condition of the Richter-product:

	no[1]	yes	no
Was it in operation ?	o	o	
Drained (product/operating supply item) ?		o	o
All openings hermetically locked!		o	
Cleaned ?		o	o
If yes, with which cleaning agent:			
and with which cleaning method:			

Contamination :	**no[1]**	**yes**
toxic	o	o
caustic	o	o
inflammable	o	o
explosive[2]	o	o
mikrobiological[2]	o	o
radioactive[3]		
other pollutant	o	o

[1] if "no", then forward to **D**.

[2] Aggregates, which are contaminated with microbiological or explosive substances, are only accepted with documented evidence of an approved cleaning.

[3] Aggregates, which are contaminated with radioactive substances, are not accepted in principle.

C. Details of the discharged materials (must be filled out imperatively)

1. **With which materials did the aggregate come into contact ?** Trade name and/or chemical designation of operational funds and discharged materials, material properties, e.g. as per safety data sheet (e.g. toxic, inflammable, caustic)

X Trade name:	Chemical designation:
a)	
b)	
c)	
d)	

	no	**yes**
2. **Are the materials specified above harmful to health ?**	o	o
3. **Dangerous decomposition products during thermal load ?**	o	o
If yes, which ones?		

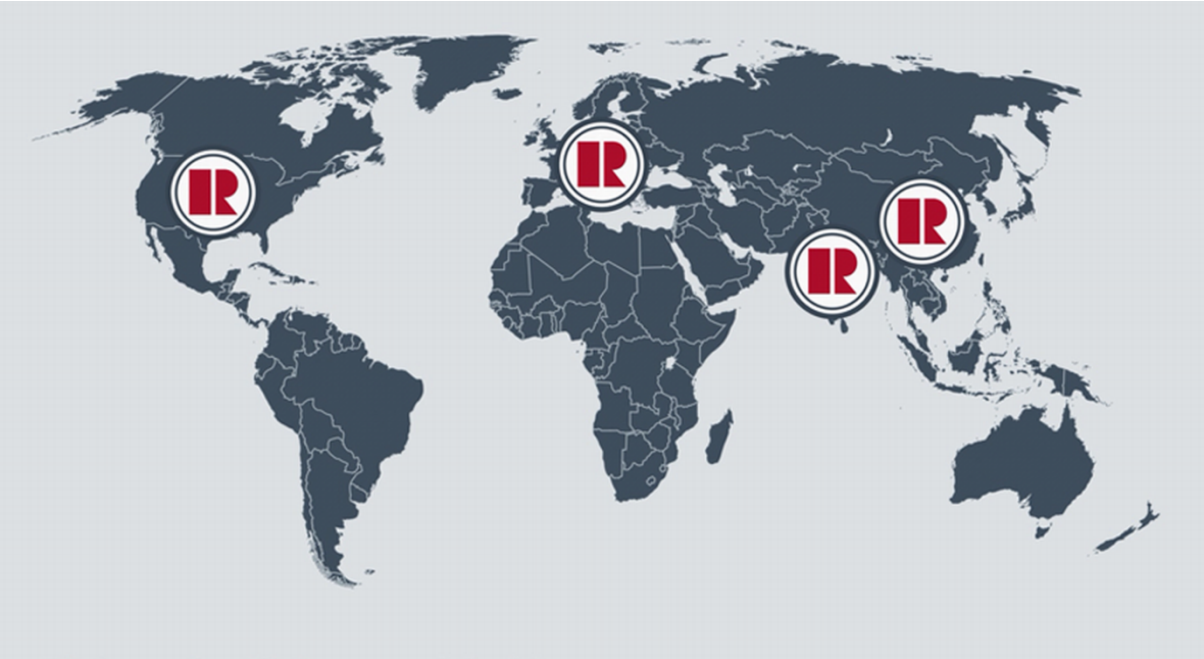
D. Mandatory declaration:

We assure that the data in this explanation are truthful and complete and as a signatory I am able to form an opinion about this. We are aware that we are responsible towards the contractor for damages, which results from incomplete and incorrect data. We commit ourselves to exempt the contractor from claims for damages of thirds resulting from incomplete or incorrect data. We are aware that we are directly responsible towards thirds, irrespective of this declaration, which belongs in particularly to the employees of the contractor consigned with the handling repair of the product.

Name of the authorized person (in block letters): _____

Date _____ Signature _____

Company stamp



Richter Chemie-Technik GmbH
Otto-Schott-Str. 2
D-47906 Kempen / Germany
Tel: +49 (0) 2152 146-0
Email: Richter-Info@idexcorp.com
Internet: www.richter-ct.com

Richter Pumps and Valves
6041 Industrial Drive
Geismar, 70734, USA
Tel.: +1 225-673-9990
Email: RichterIncSales@idexcorp.com
Internet: www.richter-ct.com

Richter (EP), Nanjing, Shanghai Office
Room 3502 - 3504, Zhaofeng Plaza
No. 1027, Changning Road, Shanghai 200050 / China
Tel: +86 / 21 / 6150 - 9812
Email: RichterShanghai-Info@idexcorp.com
Internet: www.richter-ct.com

Richter Pumps & Valves Pvt. Ltd.
Survey No. 256, near Bombardier Circle, GIDC
Manjusar, Savli, Dist. Vadodara 391770, Gujarat / India
Tel: +91 2667-662-001
Email: info.fmt@idex
Internet: www.richter-ct.com

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