

Type UNKF

For Steam & Thermal Oil
In the Paper & Textile Industries



YOUR INOVATION PARTNER



SERIES 15003



SERIES 0052



SERIES 11003





Ordering instructions: 032 UNKF S 20 RH 0052

Nominal Diameter:

From ND 015 to ND 125

Type:

- Specifies rotary joints design
- Rotary joints types are specified further in design guide

Design:

S - Standard production

N - Not Standard, produced at the customers request

Flow Passage:

- 1 - Monoflow
- 2 - Duoflow (stationary syphon)
- 4 - Duoflow (rotating syphon)
- 5 - Multiflow

Lubrication:

- 0 - Yes (with grease nipple)
- 1 - No (without grease nipple)

Shaft Connection:

RH - right hand BSP (ISO 228)

LH - left hand BSP (ISO 228)

G - right hand NPT

H - left hand NPT

I - K flange (design type I)

J - K flange (design type J)

K - K flange (design type K)

P - flange

Q - special connection

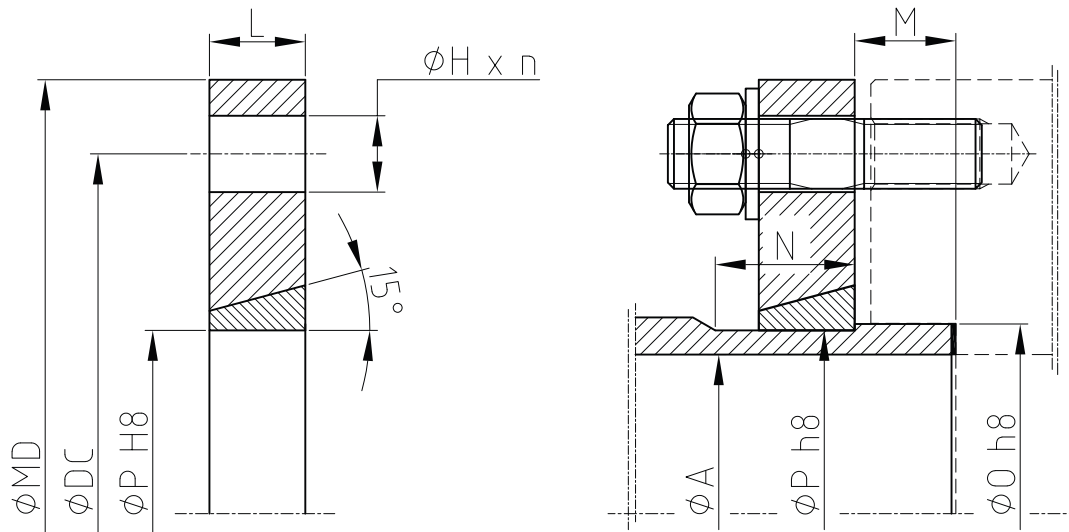
Series:

- Specifies rotary joints design, connecting elements and material
- Rotary joints series are specified further in design guide

The information and specifications presented in this catalogue are accurate, but are supplied for information purpose only. Nothing contained herein is to be construed as a warranty or guarantee. If the customer - user does not consult with company, then he assumes the ultimate responsibility for the proper selection, installation, operation and maintenance of "Vrška Press" products.

Because Vrška Press company is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice.

K Flange connection



ND	Size	ØO G7/h8	ØP H8/h8	ØA	N	M	ØDC	ØMD	L	ØH x n	Design Type
10	3/8"	18	17	10	11	6	40	55	10	Ø7 x 4	Design type I
15	1/2"	24	22	13	12	6	50	70	10	Ø7 x 4	Design type I
	1/2"	20.7	19.6	13	15	9.5	66.7	95.2	12.7	Ø9.5 x 4	Design type K
20	3/4"	30	28	20	13	8	55	75	12	Ø9 x 4	Design type I
	3/4"	26	24.2	20	17.5	11.1	76.2	115	15	Ø11 x 4	Design type K
25	1"	35	33	25	13	8	60	80	12	Ø9 x 4	Design type I
	1"	32.5	30.8	25	17.5	11.1	88.9	127	15	Ø14 x 4	Design type K
32	1 1/4"	45	43	31	13	8	75	100	12	Ø11 x 4	Design type I
	1 1/4"	45	43	31	16	15	90	115	15	Ø11 x 4	Design type J
	1 1/4"	41.3	39.6	31	19	12.7	88.9	127	16	Ø14 x 4	Design type K
40	1 1/2"	50	48	38	16	10	80	105	15	Ø11 x 4	Design type I
	1 1/2"	50	48	38	20	20	95	120	18	Ø11 x 4	Design type J
	1 1/2"	47.6	45	38	22	12.7	100	140	20	Ø14 x 4	Design type K
50	2"	65	63	48	16	10	100	130	15	Ø14 x 4	Design type I
	2"	65	63	48	22	25	115	145	20	Ø14 x 4	Design type J
	2"	59.1	56.6	48	21.1	15.9	120.7	165	20	Ø14 x 4	Design type K
65	2 1/2"	85	82	62	16	10	120	150	15	Ø14 x 4	Design type I
	2 1/2"	85	82	62	28	25	135	165	25	Ø14 x 4	Design type J
	2 1/2"	72.2	69	62	28	19	120.7	165	26	Ø14 x 4	Design type K
75	3"	87.3	84.1	73	24.8	22.2	171.5	199	22	Ø18 x 4	Design type K
83	3 1/2"	105	102	83	20	12	145	180	18	Ø18 x 4	Design type I
	3 1/2"	105	102	83	34	30	170	205	30	Ø18 x 4	Design type J
	3 1/2"	100	96.5	83	32	25.4	177.8	216	30	Ø18 x 6	Design type K
100	4"	114	110	98	22	12	160	195	20	Ø18 x 6	Design type I
	4"	114	110	98	34	30	185	220	30	Ø18 x 6	Design type J
	4"	112.7	109.1	98	35	25.4	190.5	229	32	Ø18 x 6	Design type K
125	5"	142	137	122	25	20	190	225	22	Ø18 x 6	Design type I
	5"	150	145	122	39	35	225	260	35	Ø18 x 8	Design type J
	5"	139.2	134.2	122	42	32	235	292	39	Ø22 x 8	Design type K
150	6"	170	165	146	28	25	220	255	25	Ø18 x 8	Design type I
	6"	180	175	146	44	40	260	300	40	Ø18 x 8	Design type J
	6"	168	163	146	44	32	279.5	330	41	Ø22 x 8	Design type K



Series description:

- 11003 monoflow, gray cast iron housing, from ND 15 to ND 25
- 11053 duoflow, gray cast iron housing, from ND 15 to ND 25
- 4002 monoflow, construction steel housing, from ND 32 to ND 50
- 0052 duoflow, construction steel housing, from ND 32 to ND 50
- 0062 duoflow, flanged, construction steel housing, from ND 32 to ND 50
- 15003 monoflow, gray cast iron housing, from ND 65 to ND 100
- 15003 duoflow, gray cast iron housing, from ND 65 to ND 100
- 15063 duoflow, flanged, gray cast iron housing, from ND 65 to ND 100
- 13062 monoflow, flanged, construction steel housing, from ND 100 to ND 125



Product description: TYPE UNKF

Rotary joint type UNKF with spherical carbon sealing ring and maintenance free slide carbon bearings is available in monoflow and duoflow version.

High performance rotary joint design for transfer of steam and thermal oil in paper, textile and plastic industries. Through years of experience, it has been modified, redesigned and brought to perfection. New sealing technology, robust slide bearings and sealing ring as well as advanced materials enable reliability and extended life time.

Connection to the machine by means of:

- BSP (ISO 228) right-hand or left-hand male thread - standard
- NPT (ANSI) right-hand or left-hand male thread - on customer request
- K flange, with 3 different options

For different sizes of radial and axial housing connections (inlet & outlet) as well as sizes of stationary and rotating syphon pipe, please contact Vrska Press company or your local representative.

Features:

- Monoflow & duoflow design
- Spherical carbon graphite sealing ring
- Self-supported rotary joint
- Long service life
- Easy and quick repair
- Two robust, widely spaced carbon bearings
- Maintenance free

Materials:

- Seal faces combination: Carbon / Special SS
- Secondary seal: Graphoil
- Rotor: Special stainless steel
- Housing: described in "series description"

Operating data:



ND	Size	Medium					
		Steam			Thermal Oil		
		Max. Temperature	Max. Pressure	Max. Speed	Max. Temperature	Max. Pressure	Max. Speed
ND 15	1/2"	200°C	15 bar	550 rpm	280°C	10 bar	550 rpm
ND 20	3/4"	200°C	15 bar	500 rpm	280°C	10 bar	500 rpm
ND 25	1"	200°C	15 bar	450 rpm	280°C	10 bar	450 rpm
ND 32	1 1/4"	200°C	15 bar	400 rpm	280°C	10 bar	400 rpm
ND 40	1 1/2"	200°C	15 bar	370 rpm	280°C	10 bar	370 rpm
ND 50	2"	200°C	15 bar	300 rpm	280°C	10 bar	350 rpm
ND 65	2 1/2"	200°C	15 bar	250 rpm	280°C	10 bar	300 rpm
ND 75	3"	200°C	15 bar	200 rpm	280°C	10 bar	250 rpm
ND 83	3 1/2"	200°C	15 bar	200 rpm	280°C	10 bar	250 rpm
ND 100	4"	200°C	15 bar	180 rpm	280°C	10 bar	200 rpm
ND 125	4 1/2"	200°C	15 bar	150 rpm	280°C	10 bar	180 rpm

Avoid combination of maximum values. Medium plays important role to determine limiting factors, therefore we kindly ask our customers to contact our company before ordering. Higher values on request.

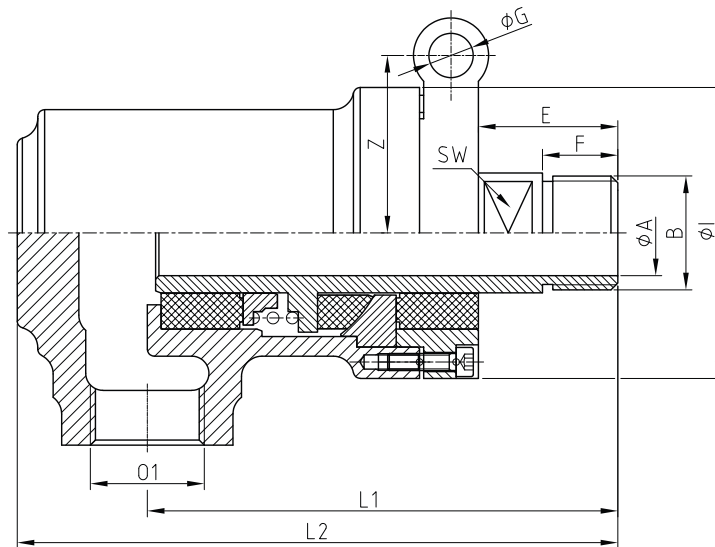
How do I choose the best Rotary Joint for my process?

Tell us about Your process. We need to know the following:

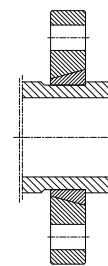
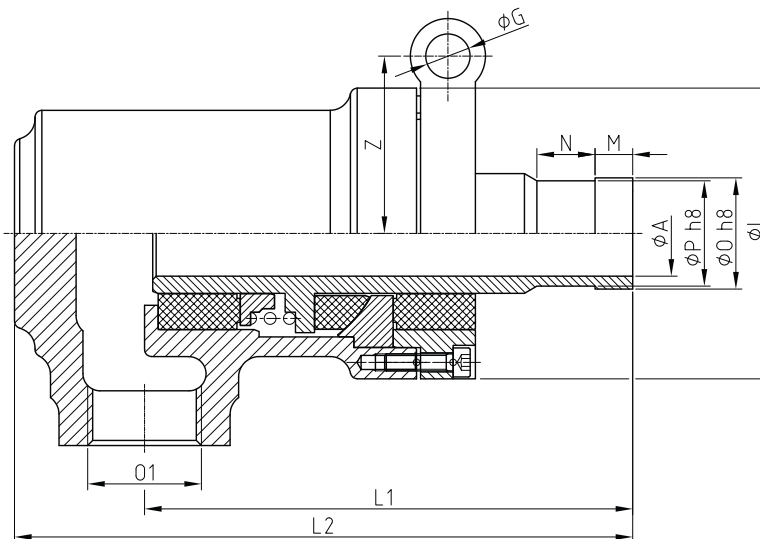
- Flow Passage: Monoflow or Duoflow (if Duoflow: stationary or rotating syphon pipe)
- Working Medium
- Temperature (°C)
- Pressure (bar)
- Speed (rpm)
- Shaft Connection (thread size & type or flange size)
- Flow rate (L/min)

TYPE UNKF Series 11003

Monoflow, with BSP and K flange connection, ND 15 - 25

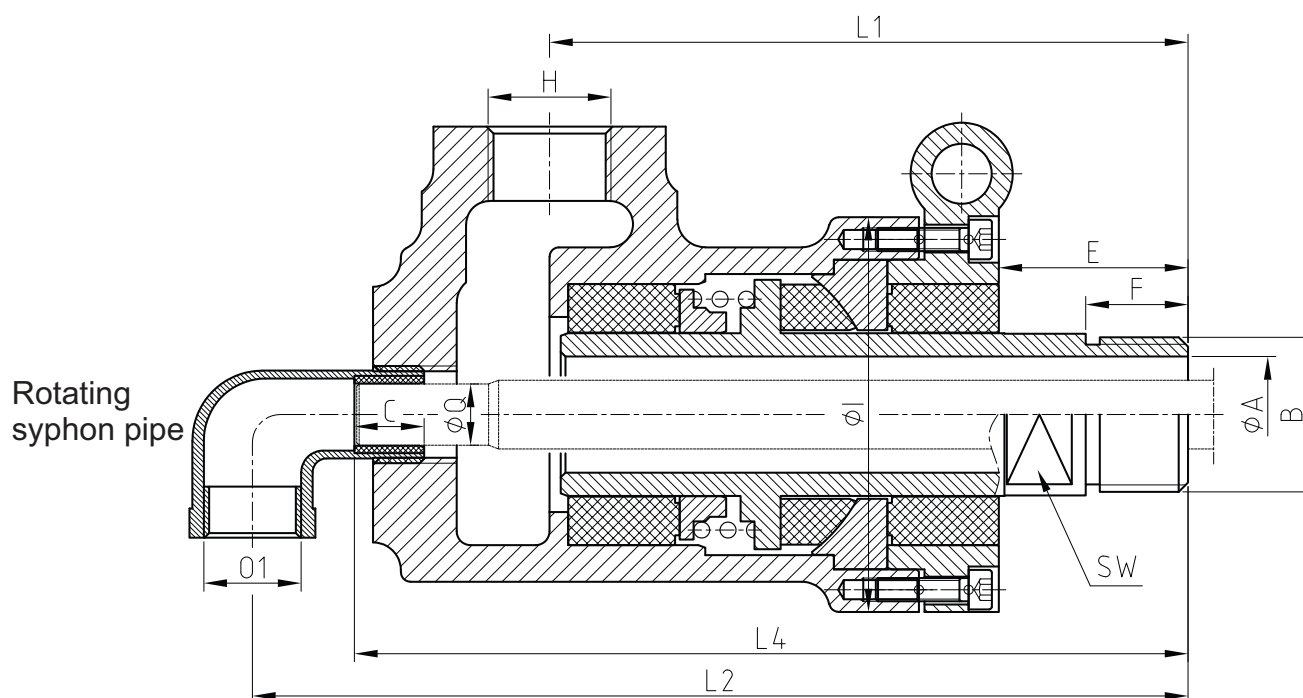
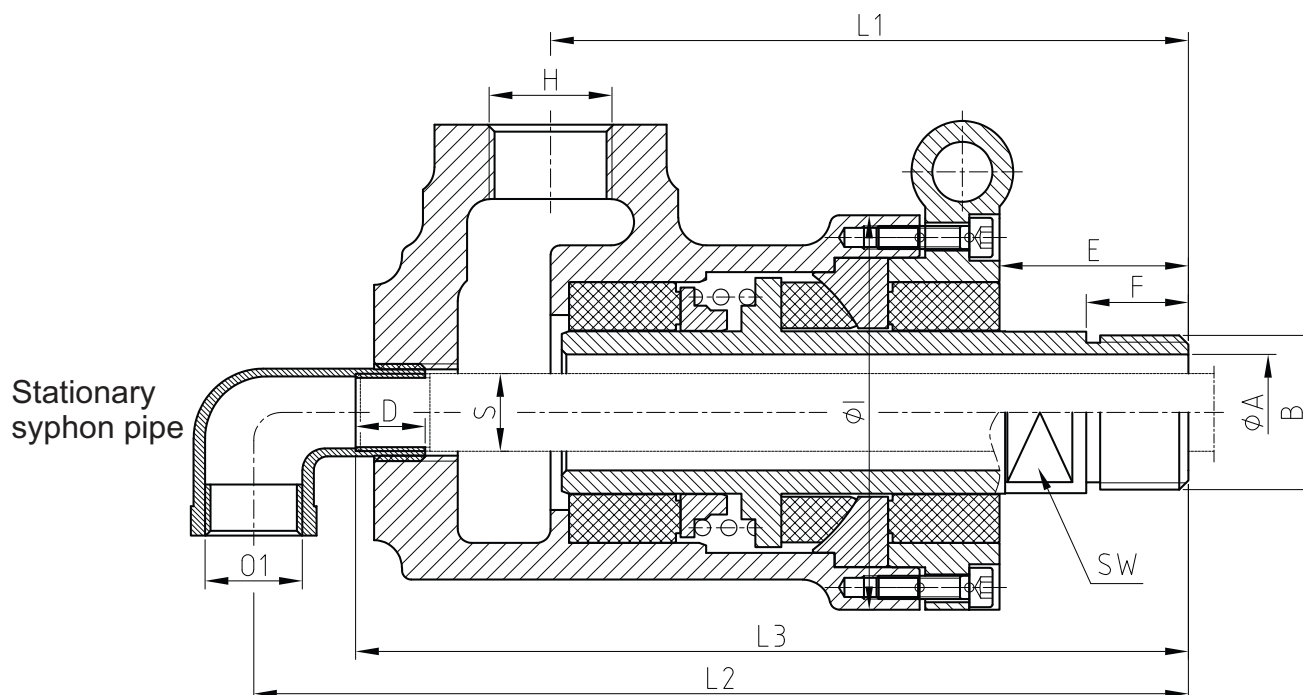


ND	Size	B	Shaft Connection	O1	ØA	E	F	ØI	L1	L2	SW	Z	ØG	Monoflow with BSP (ISO 228) thread connection
														Ordering No.
15	1/2"	G 1/2"	RH	G 1/2"	13	27	13	63	129	167	21	41	13	015 UNKF S 11RH 11003
	1/2"	G 1/2"	LH	G 1/2"	13	27	13	63	129	167	21	41	13	015 UNKF S 11LH 11003
20	3/4"	G 3/4"	RH	G 3/4"	20	38	18	85	134	172	25	52	13	020 UNKF S 11RH 11003
	3/4"	G 3/4"	LH	G 3/4"	20	38	18	85	134	172	25	52	13	020 UNKF S 11LH 11003
25	1"	G 1"	RH	G 3/4"	25	41	22	85	137	175	30	52	13	025 UNKF S 11RH 11003
	1"	G 1"	LH	G 3/4"	25	41	22	85	137	175	30	52	13	025 UNKF S 11LH 11003



K flange
see page 4

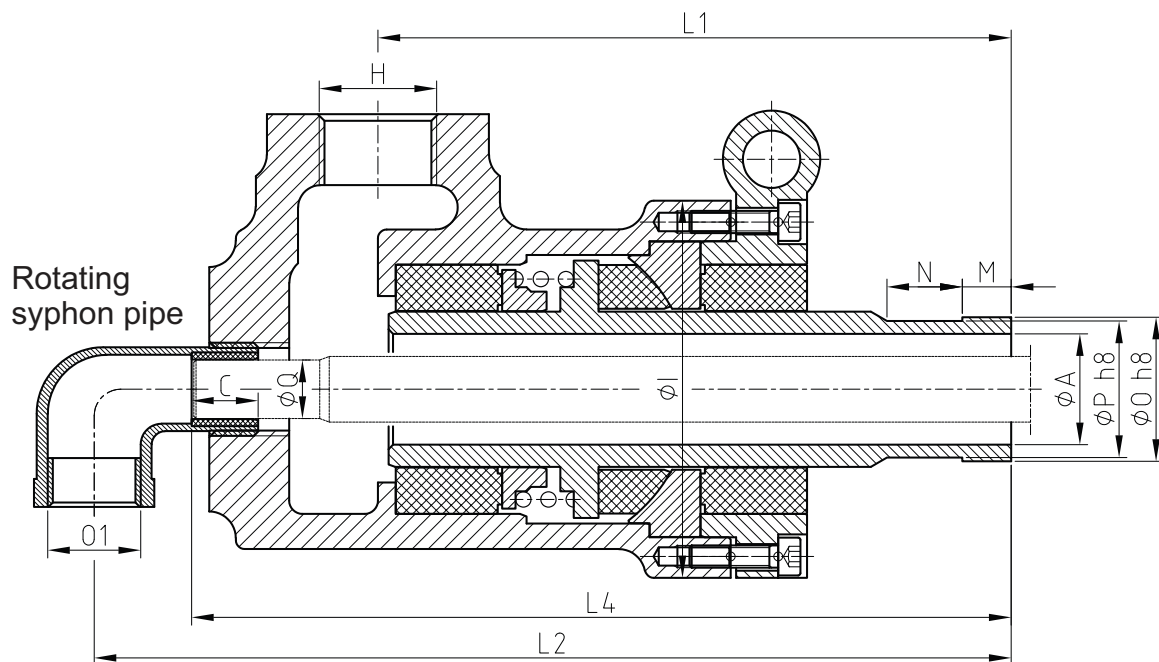
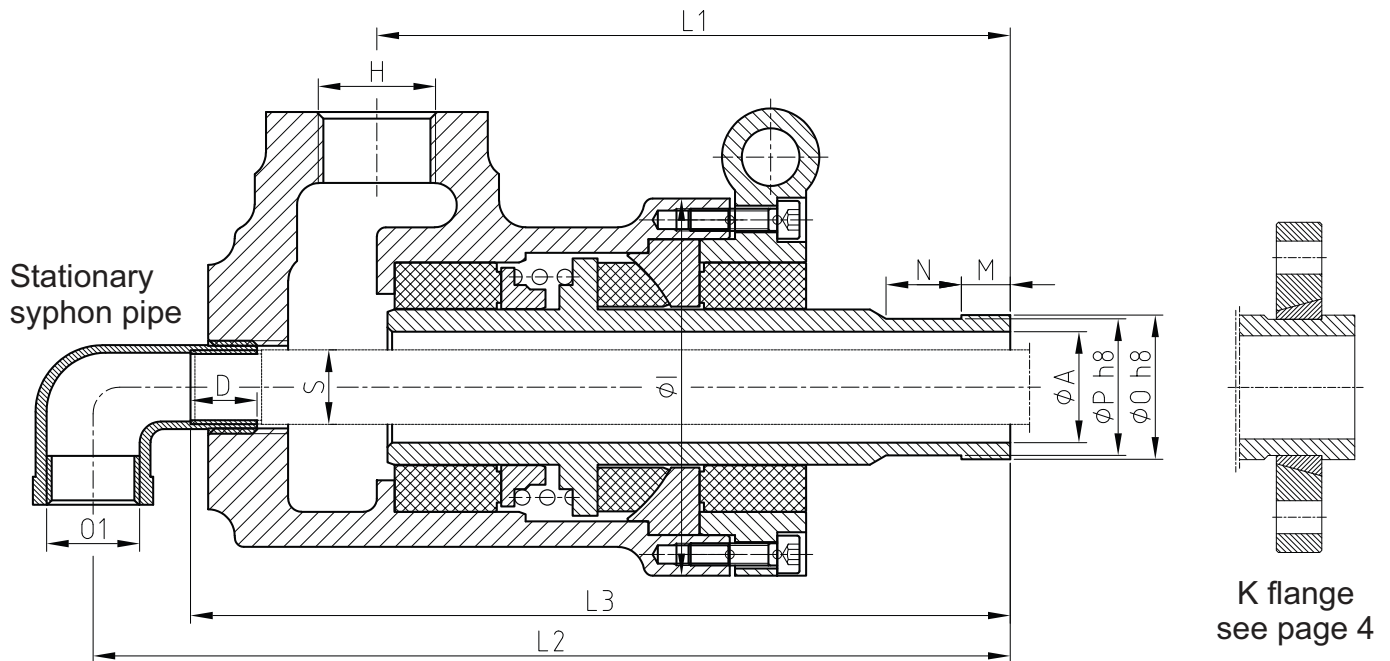
ND	Size	ØO h8	ØP h8	O1	ØA	N	M	ØI	L1	L2	Z	ØG	Monoflow with K flange connection
													Ordering No.
15	1/2"	24	22	G 1/2"	13	12	6	63	138	176	41	13	015 UNKF S 11I 11003
	1/2"	20.7	19.6	G 1/2"	13	15	9.5	63	138	176	41	13	015 UNKF S 11K 11003
20	3/4"	30	28	G 3/4"	20	13	8	85	143	181	52	13	020 UNKF S 11I 11003
	3/4"	26	24.2	G 3/4"	20	17.5	11.1	85	143	181	52	13	020 UNKF S 11K 11003
25	1"	35	33	G 3/4"	25	13	8	85	143	181	52	13	025 UNKF S 11I 11003
	1"	32.5	30.8	G 3/4"	25	17.5	11.1	85	143	181	52	13	025 UNKF S 11K 11003



ND	Size	B	H	O1	ØA	E	F	ØI	L1	L2	SW	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
15	1/2"	G 1/2" RH	G 1/2"	G 1/4"	13	27	13	63	129	193	21	015 UNKF S 21RH 11053	1/8"	11	171	015 UNKF S 41RH 11053	9.8	10	171
	1/2"	G 1/2" LH	G 1/2"	G 1/4"	13	27	13	63	129	193	21	015 UNKF S 21LH 11053	1/8"	11	171	015 UNKF S 41LH 11053	9.8	10	171
20	3/4"	G 3/4" RH	G 3/4"	G 1/2"	20	38	18	85	134	198	25	020 UNKF S 21RH 11053	1/4"	15	176	020 UNKF S 41RH 11053	12.8	10	176
	3/4"	G 3/4" LH	G 3/4"	G 1/2"	20	38	18	85	134	198	25	020 UNKF S 21LH 11053	1/4"	15	176	020 UNKF S 41LH 11053	12.8	10	176
25	1"	G 1" RH	G 3/4"	G 1/2"	25	41	22	85	137	201	30	025 UNKF S 21RH 11053	3/8"	15	179	025 UNKF S 41RH 11053	15.8	13.5	179
	1"	G 1" LH	G 3/4"	G 1/2"	25	41	22	85	137	201	30	025 UNKF S 21LH 11053	3/8"	15	179	025 UNKF S 41LH 11053	15.8	13.5	179

TYPE UNKF Series 11053

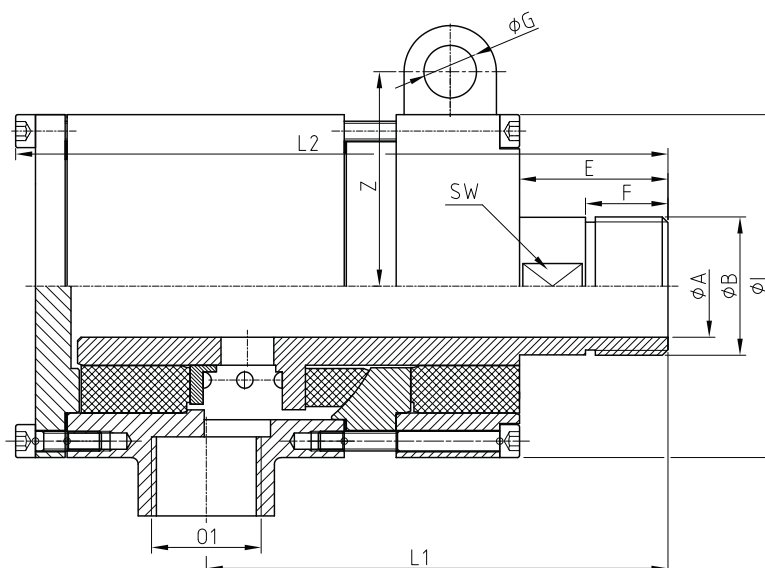
Duoflow, with K flange connection, ND 15 - 25



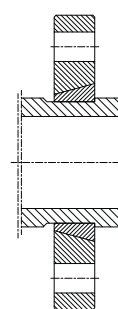
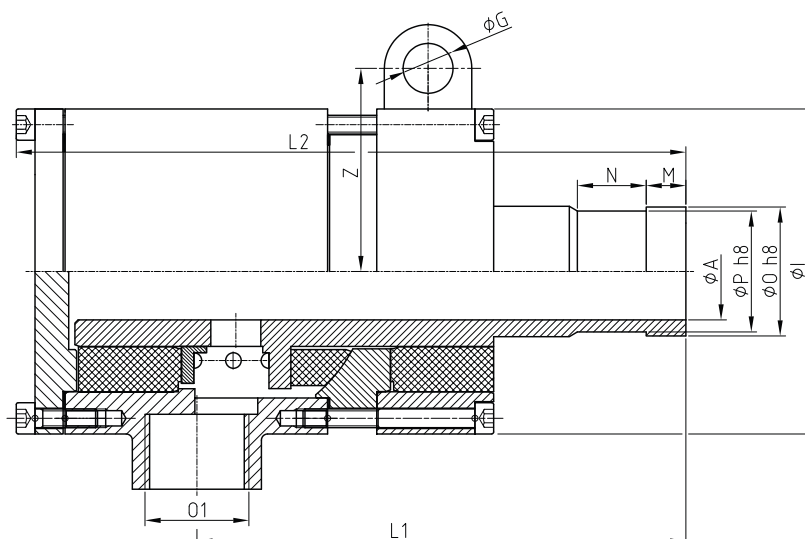
ND	Size	ØO h8	ØP h8	H	O1	ØA	N	M	ØI	L1	L2	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
15	1/2"	24	22	G 1/2"	G 1/4"	13	12	6	63	135	199	015 UNKF S 21I 11053	1/8"	11	177	015 UNKF S 41I 11053	9.8	10	177
	1/2"	20.7	19.6	G 1/2"	G 1/4"	13	15	9.5	63	135	199	015 UNKF S 21K 11053	1/8"	11	177	015 UNKF S 41K 11053	9.8	10	177
20	3/4"	30	28	G 3/4"	G 1/2"	20	13	8	85	143	206	020 UNKF S 21I 11053	1/4"	15	185	020 UNKF S 41I 11053	12.8	10	185
	3/4"	26	24.2	G 3/4"	G 1/2"	20	17.5	11.1	85	143	206	020 UNKF S 21K 11053	1/4"	15	185	020 UNKF S 41K 11053	12.8	10	185
25	1"	35	33	G 3/4"	G 1/2"	25	13	8	85	143	207	025 UNKF S 21I 11053	3/8"	15	185	025 UNKF S 41I 11053	15.8	13.5	185
	1"	32.5	30.8	G 3/4"	G 1/2"	25	17.5	11.1	85	143	207	025 UNKF S 21K 11053	3/8"	15	185	025 UNKF S 41K 11053	15.8	13.5	185

TYPE UNKF Series 4002

Monoflow, with BSP and K flange connection, ND 32 - 50



ND	Size	B Shaft Connection	O1	ØA	E	F	ØI	L1	L2	SW	Z	ØG	Monoflow with BSP (ISO 228) thread connection
													Ordering No.
32	1 ¼"	G 1 ¼" RH	G 1"	31	45	25	108	133	198	41	67	16	032 UNKF S 11RH 4002
	1 ¼"	G 1 ¼" LH	G 1"	31	45	25	108	133	198	41	67	16	032 UNKF S 11LH 4002
40	1 ½"	G 1 ½" RH	G 1 ¼"	38	47	26	108	142	200	46	67	16	040 UNKF S 11RH 4002
	1 ½"	G 1 ½" LH	G 1 ¼"	38	47	26	108	142	200	46	67	16	040 UNKF S 11LH 4002
50	2"	G 2" RH	G 1 ½"	48	57	29	126	161	252	60	75.5	16	050 UNKF S 11RH 4002
	2"	G 2" LH	G 1 ½"	48	57	29	126	161	252	60	75.5	16	050 UNKF S 11LH 4002

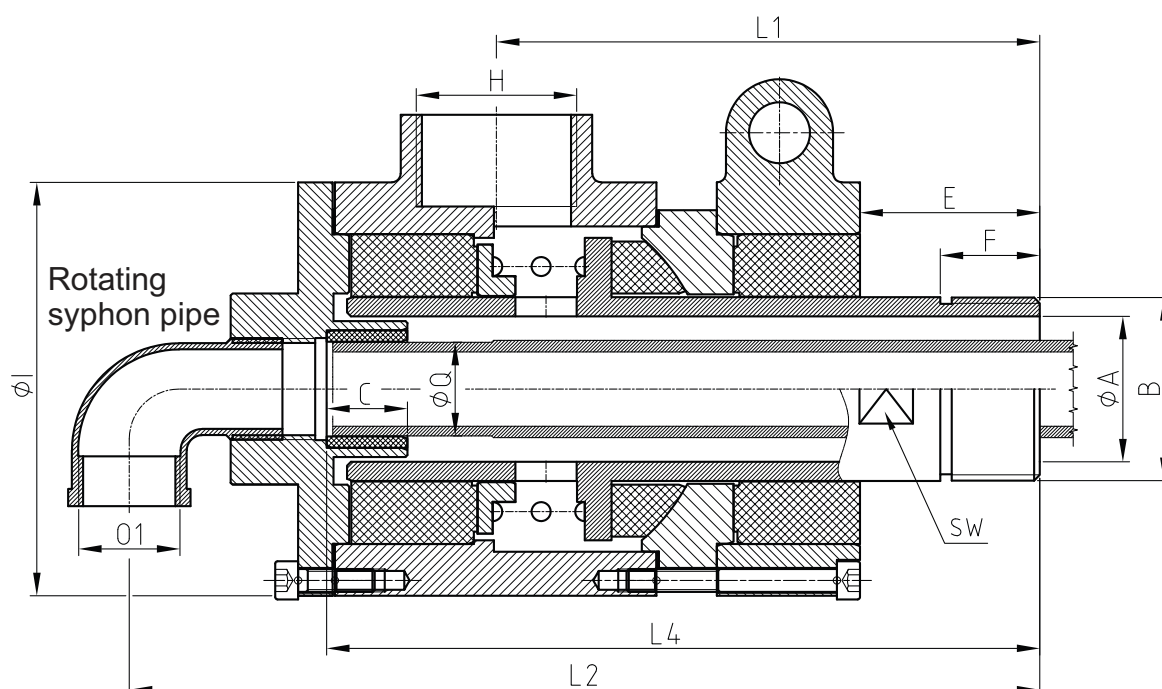
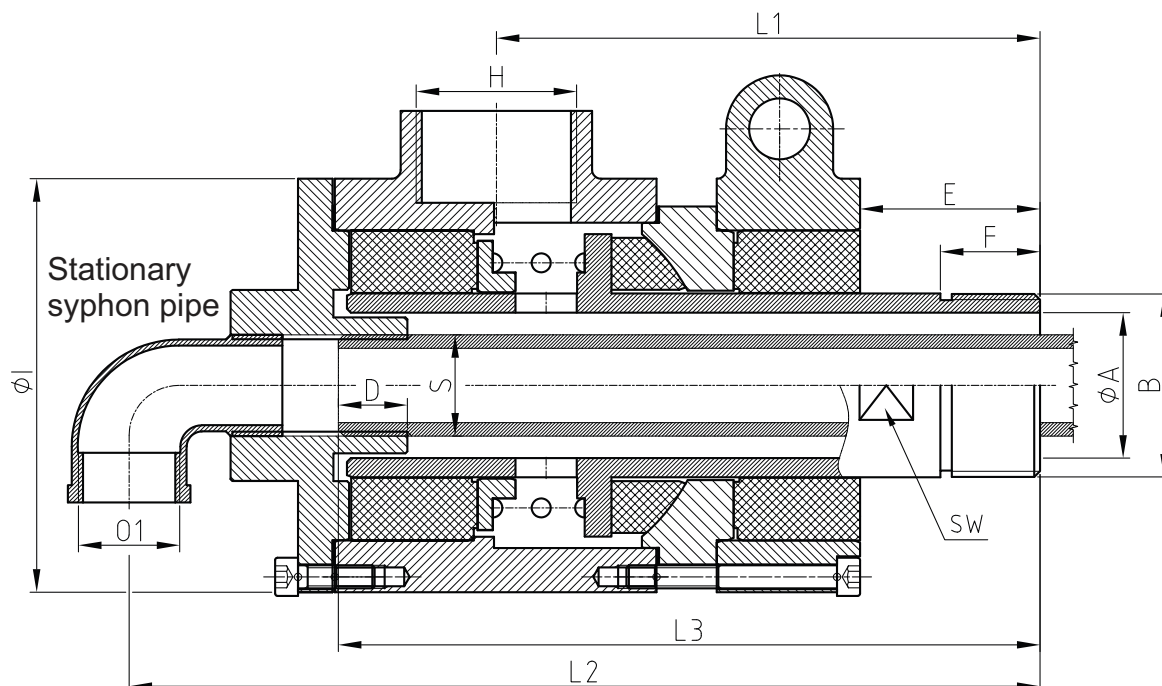


K flange
see page 4

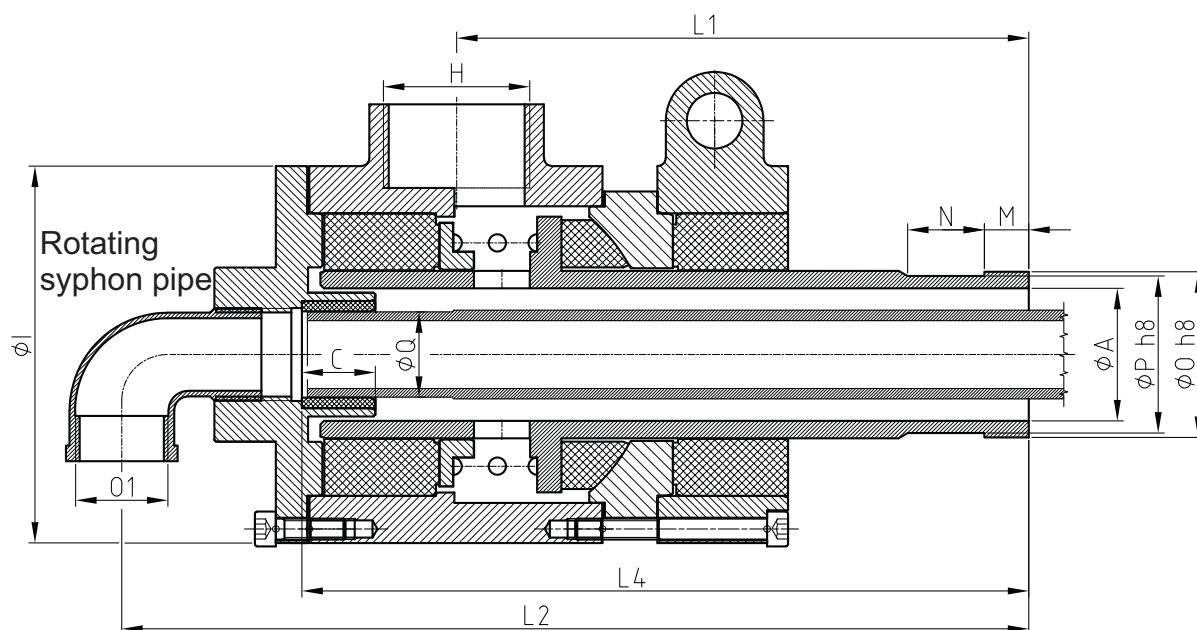
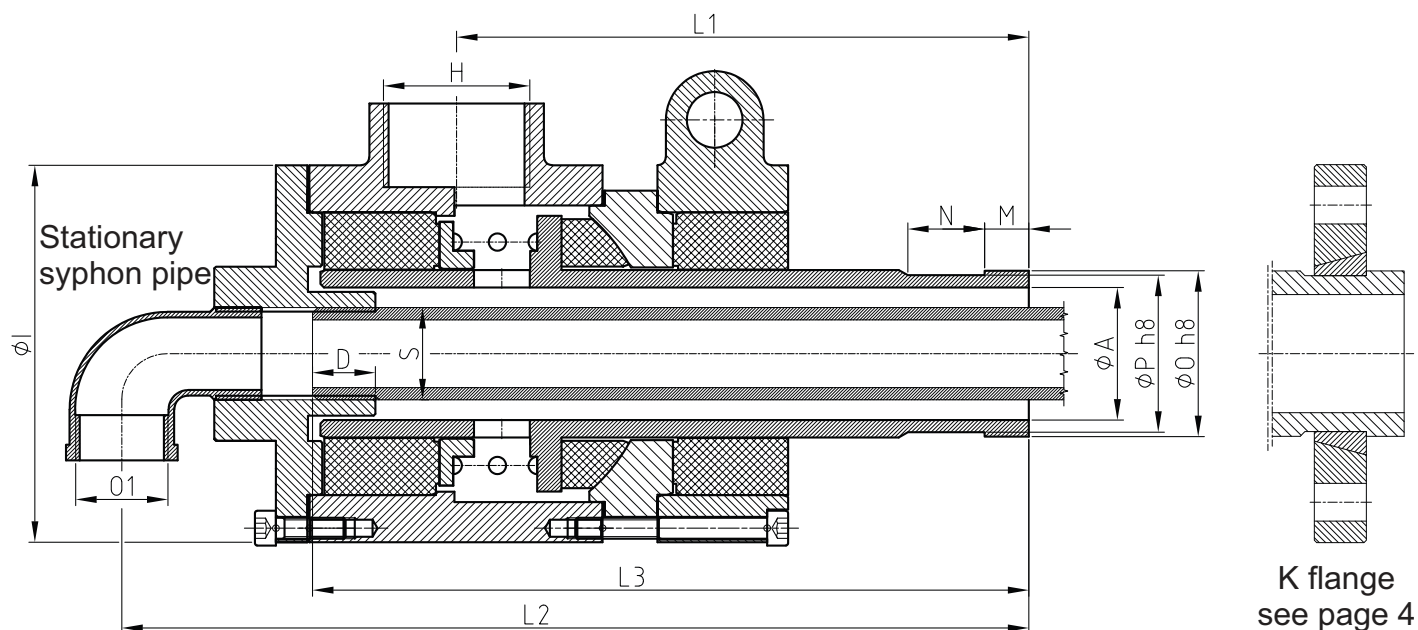
ND	Size	ØO h8 Shaft Connection	ØP h8	O1	ØA	N	M	ØI	L1	L2	Z	ØG	Monoflow with K flange connection
													Ordering No.
32	1 ¼"	45	43	G 1"	31	13	8	108	156	214	67	16	032 UNKF S 11I 4002
	1 ¼"	45	43	G 1"	31	16	15	108	156	214	67	16	032 UNKF S 11J 4002
	1 ¼"	41.3	39.6	G 1"	31	19	12.7	108	156	214	67	16	032 UNKF S 11K 4002
40	1 ½"	50	48	G 1 ¼"	38	16	10	108	164	222	67	16	040 UNKF S 11I 4002
	1 ½"	50	48	G 1 ¼"	38	20	20	108	164	222	67	16	040 UNKF S 11J 4002
	1 ½"	47.6	45	G 1 ¼"	38	22	12.7	108	164	222	67	16	040 UNKF S 11K 4002
50	2"	65	63	G 1 ½"	48	16	10	126	165	258	75.5	16	050 UNKF S 11I 4002
	2"	65	63	G 1 ½"	48	22	25	126	165	258	75.5	16	050 UNKF S 11J 4002
	2"	59.1	56.6	G 1 ½"	48	21.1	15.9	126	165	258	75.5	16	050 UNKF S 11K 4002

TYPE UNKF Series 0052

Duoflow, with BSP thread connection, ND 32 - 50



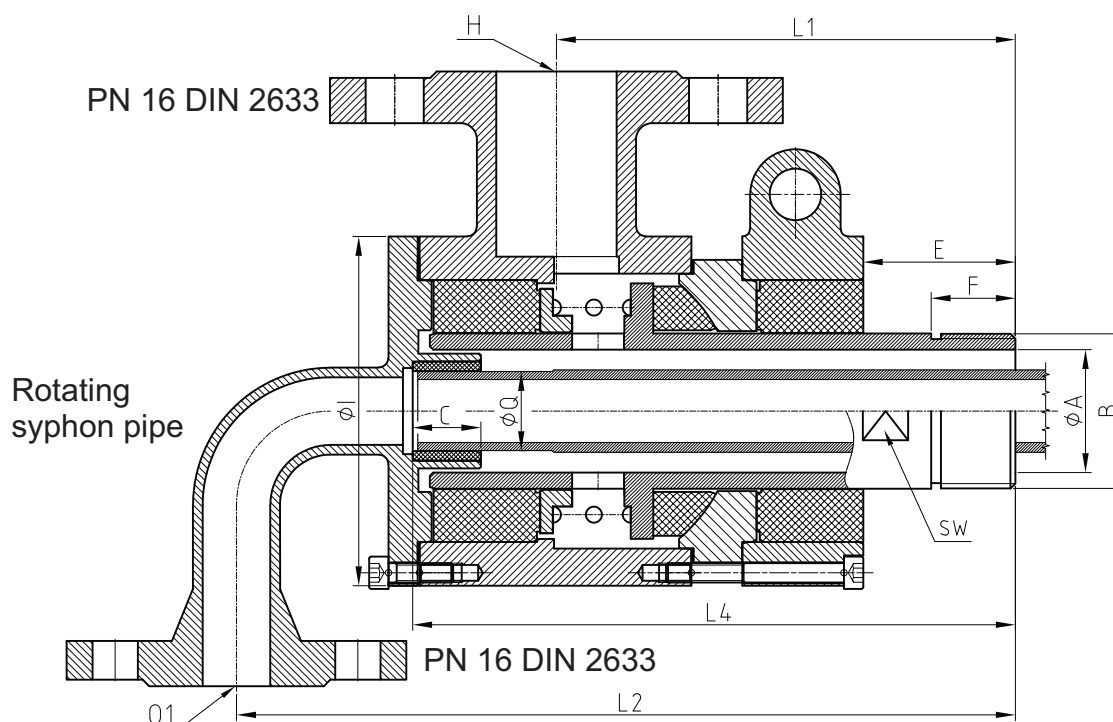
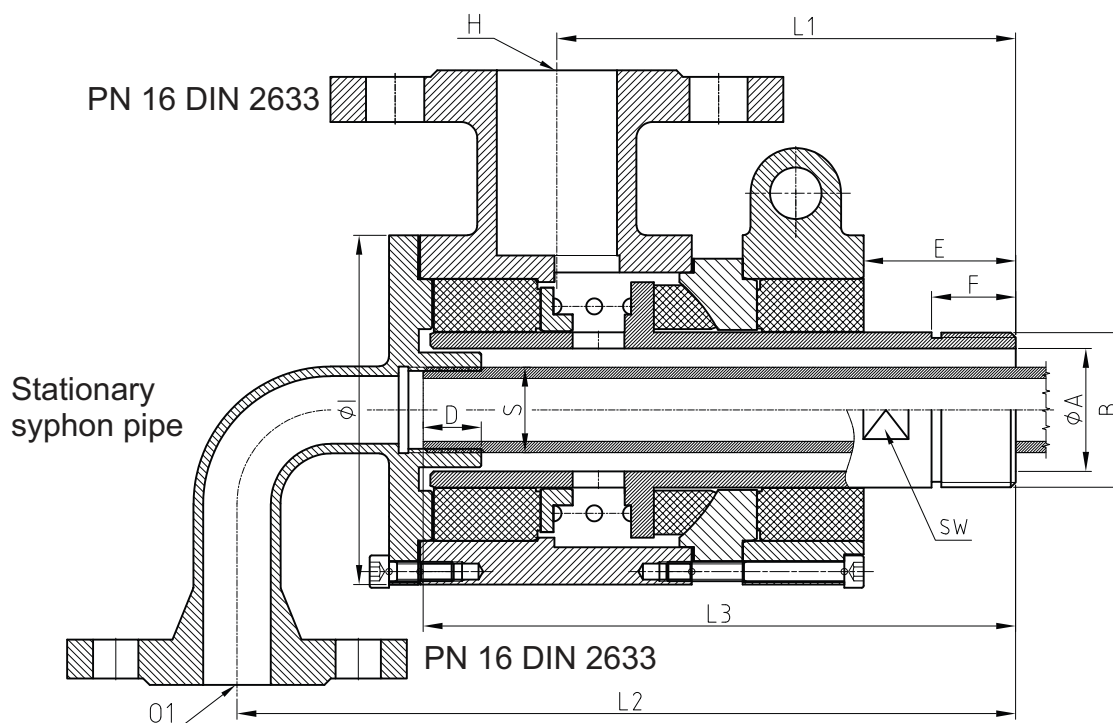
ND	Size	B	H	O1	ØA	E	F	ØI	L1	L2	SW	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
32	1 1/4"	G 1 1/4" RH	G 1"	G 1/2"	31	46	22	108	130	200	41	032 UNKF S 21RH 0052	1/2"	16	172	032 UNKF S 41RH 0052	20	22	172
	1 1/4"	G 1 1/4" LH	G 1"	G 1/2"	31	46	22	108	130	200	41	032 UNKF S 21LH 0052	1/2"	16	172	032 UNKF S 41LH 0052	20	22	172
40	1 1/2"	G 1 1/2" RH	G 1 1/4"	G 3/4"	38	47	26	108	142	238	46	040 UNKF S 21RH 0052	3/4"	19	184	040 UNKF S 41RH 0052	26	22	184
	1 1/2"	G 1 1/2" LH	G 1 1/4"	G 3/4"	38	47	26	108	142	238	46	040 UNKF S 21LH 0052	3/4"	19	184	040 UNKF S 41LH 0052	26	22	184
50	2"	G 2" RH	G 1 1/2"	G 1"	48	57	29	126	161	289	60	050 UNKF S 21RH 0052	1"	25	231	050 UNKF S 41RH 0052	32	25	231
	2"	G 2" LH	G 1 1/2"	G 1"	48	57	29	126	161	289	60	050 UNKF S 21LH 0052	1"	25	231	050 UNKF S 41LH 0052	32	25	231



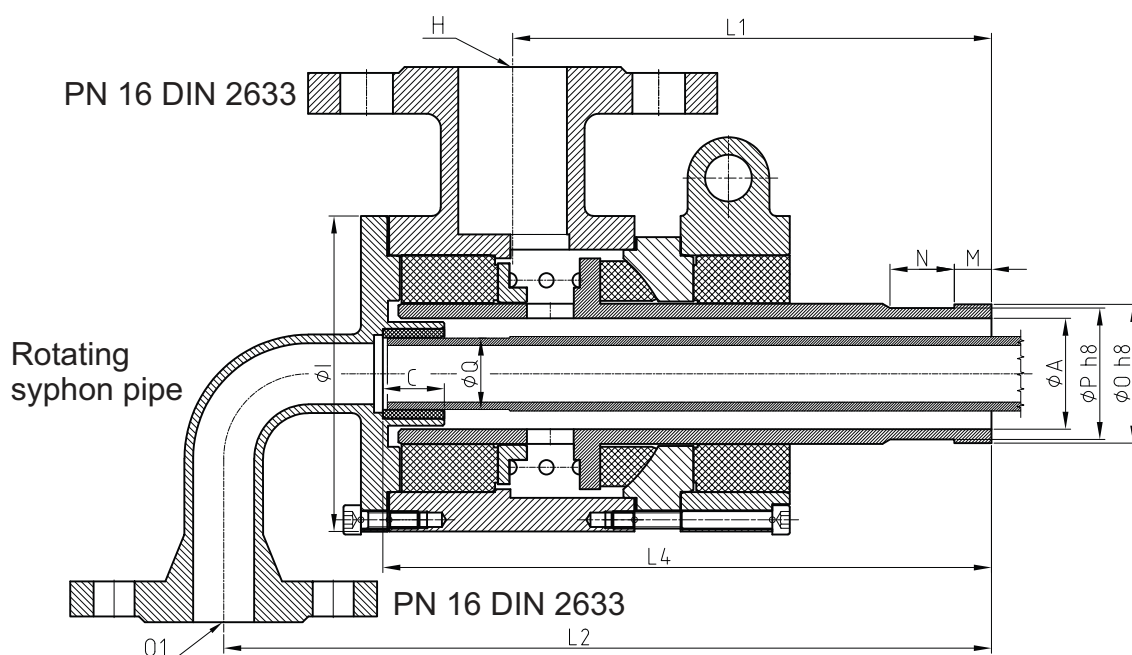
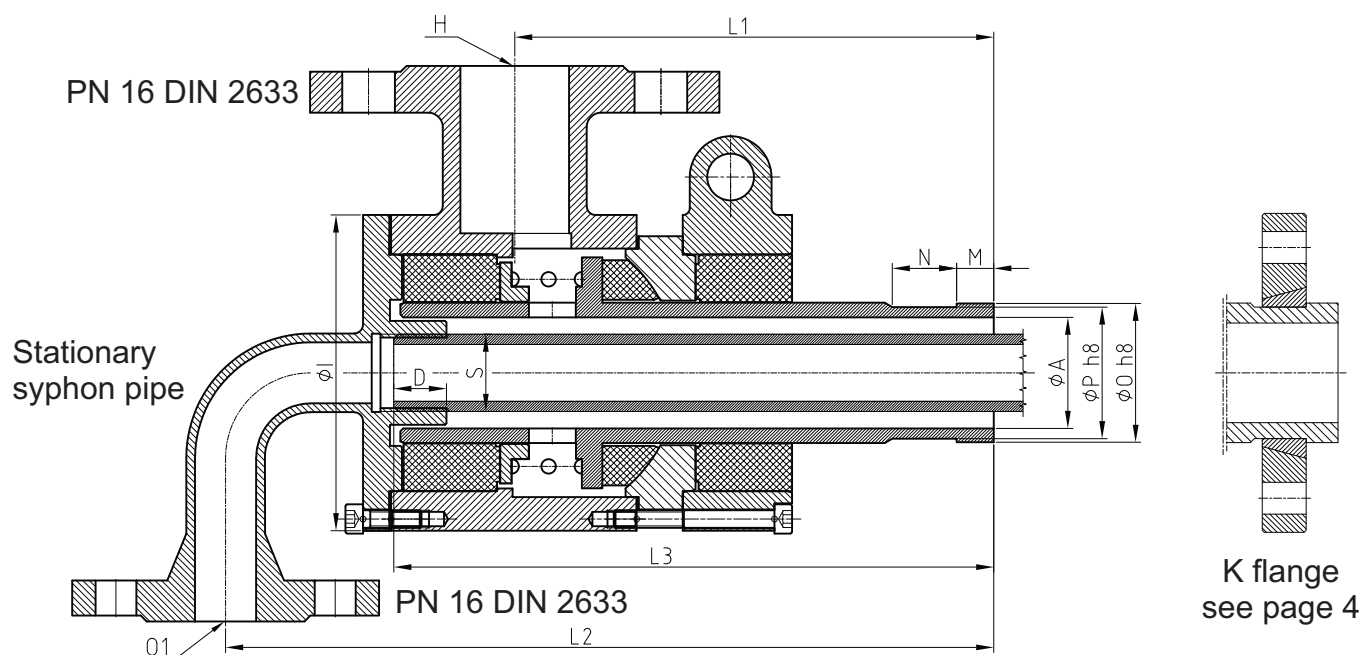
ND	Size	ØO h8	ØP h8	H	O1	ØA	N	M	ØI	L1	L2	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
32	1 1/4"	45	43	G 1"	G 1/2"	31	13	8	108	156	237	032 UNKF S 21I 0052	1/2"	16	200	032 UNKF S 41I 0052	20	22	200
	1 1/4"	45	43	G 1"	G 1/2"	31	16	15	108	156	237	032 UNKF S 21J 0052	1/2"	16	200	032 UNKF S 41J 0052	20	22	200
	1 1/4"	41.3	39.6	G 1"	G 1/2"	31	19	12.7	108	156	237	032 UNKF S 21K 0052	1/2"	16	200	032 UNKF S 41K 0052	20	22	200
40	1 1/2"	50	48	G 1 1/4"	G 3/4"	38	16	10	108	164	260	040 UNKF S 21I 0052	3/4"	19	206	040 UNKF S 41I 0052	26	22	206
	1 1/2"	50	48	G 1 1/4"	G 3/4"	38	20	20	108	164	260	040 UNKF S 21J 0052	3/4"	19	206	040 UNKF S 41J 0052	26	22	206
	1 1/2"	47.6	45	G 1 1/4"	G 3/4"	38	22	12.7	108	164	260	040 UNKF S 21K 0052	3/4"	19	206	040 UNKF S 41K 0052	26	22	206
50	2"	65	63	G 1 1/2"	G 1"	48	16	10	126	165	295	050 UNKF S 21I 0052	1"	25	245	050 UNKF S 41I 0052	32	25	245
	2"	65	63	G 1 1/2"	G 1"	48	22	25	126	165	295	050 UNKF S 21J 0052	1"	25	245	050 UNKF S 41J 0052	32	25	245
	2"	59.1	56.6	G 1 1/2"	G 1"	48	21.1	15.9	126	165	295	050 UNKF S 21K 0052	1"	25	245	050 UNKF S 41K 0052	32	25	245

TYPE UNKF Series 0062

Duoflow, with BSP thread connection, ND 32 - 50



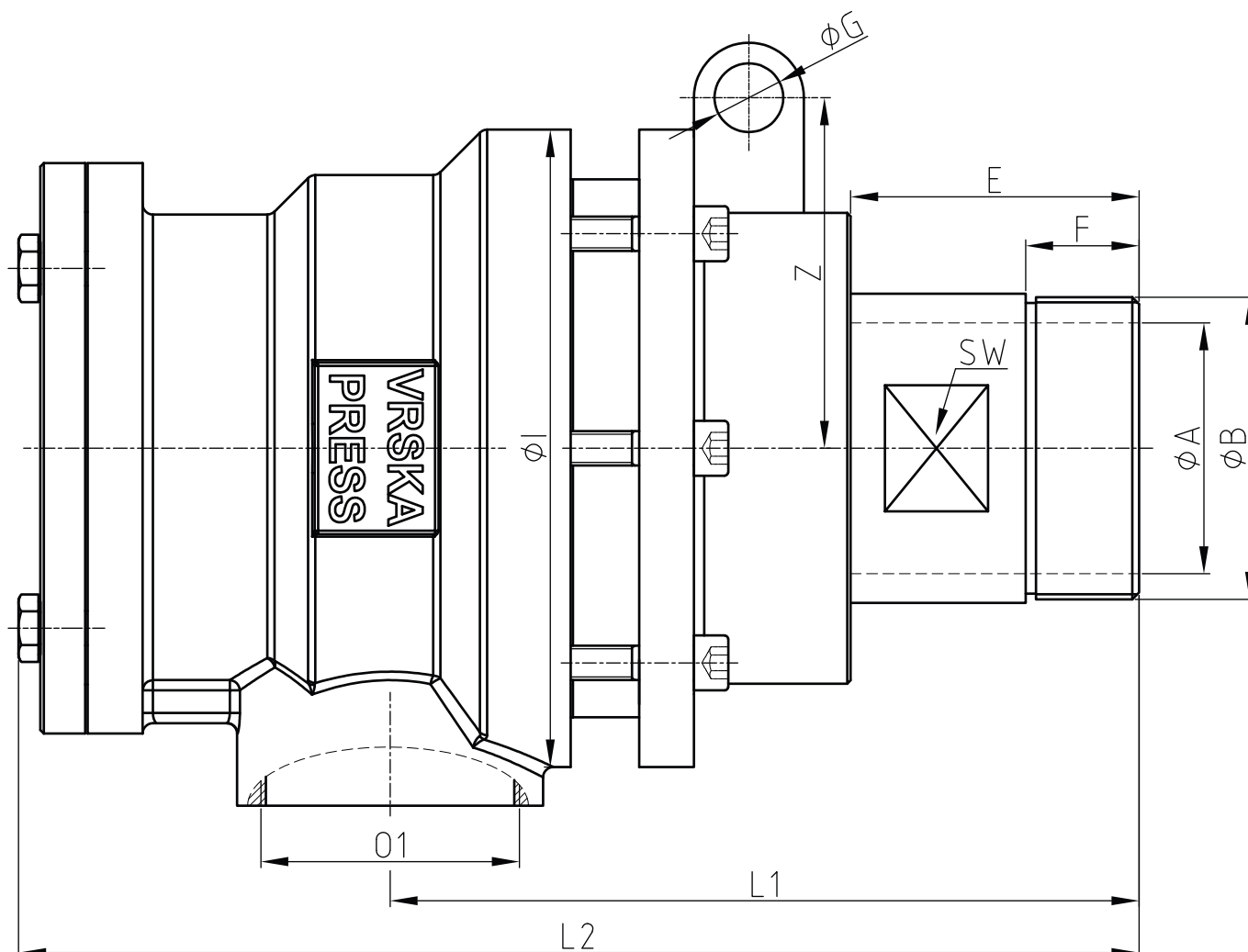
ND	Size	B	H	O1	ØA	E	F	ØI	L1	L2	SW	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.		S	D	L3	Ordering No.		ØQ
32	1 ¼"	G 1 ¼" RH	DN 25	DN 20	31	46	22	108	130	200	41	032 UNKF S 21RH 0062	1/2"	16	172	032 UNKF S 41RH 0062	20	22	172
	1 ¼"	G 1 ¼" LH	DN 25	DN 20	31	46	22	108	130	200	41	032 UNKF S 21LH 0062	1/2"	16	172	032 UNKF S 41LH 0062	20	22	172
40	1 ½"	G 1 ½" RH	DN 32	DN 20	38	47	26	108	142	238	46	040 UNKF S 21RH 0062	3/4"	19	184	040 UNKF S 41RH 0062	26	22	184
	1 ½"	G 1 ½" LH	DN 32	DN 20	38	47	26	108	142	238	46	040 UNKF S 21LH 0062	3/4"	19	184	040 UNKF S 41LH 0062	26	22	184
50	2"	G 2" RH	DN 40	DN 25	48	57	29	126	161	289	60	050 UNKF S 21RH 0062	1"	25	231	050 UNKF S 41RH 0062	32	25	231
	2"	G 2" LH	DN 40	DN 25	48	57	29	126	161	289	60	050 UNKF S 21LH 0062	1"	25	231	050 UNKF S 41LH 0062	32	25	231



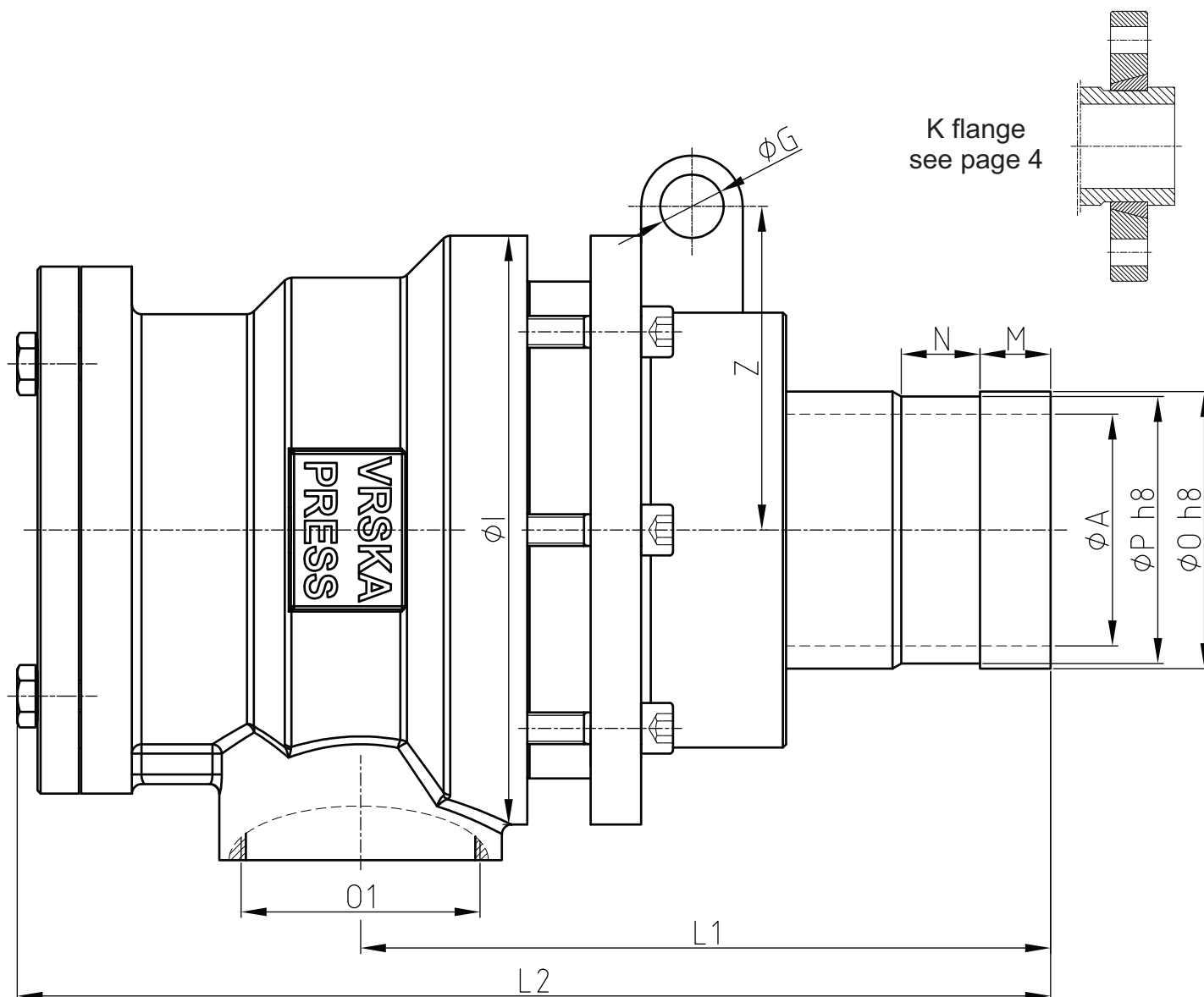
ND	Size	ØO h8	ØP h8	H	O1	ØA	N	M	ØI	L1	L2	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
32	1 1/4"	45	43	DN 25	DN 20	31	13	8	108	156	260	032 UNKF S 21I 0062	1/2"	16	200	032 UNKF S 41I 0062	20	22	200
	1 1/4"	45	43	DN 25	DN 20	31	16	15	108	156	260	032 UNKF S 21J 0062	1/2"	16	200	032 UNKF S 41J 0062	20	22	200
	1 1/4"	41.3	39.6	DN 25	DN 20	31	19	12.7	108	156	260	032 UNKF S 21K 0062	1/2"	16	200	032 UNKF S 41K 0062	20	22	200
40	1 1/2"	50	48	DN 32	DN 20	38	16	10	108	164	263	040 UNKF S 21I 0062	3/4"	19	206	040 UNKF S 41I 0062	26	22	206
	1 1/2"	50	48	DN 32	DN 20	38	20	20	108	164	263	040 UNKF S 21J 0062	3/4"	19	206	040 UNKF S 41J 0062	26	22	206
	1 1/2"	47.6	45	DN 32	DN 20	38	22	12.7	108	164	263	040 UNKF S 21K 0062	3/4"	19	206	040 UNKF S 41K 0062	26	22	206
50	2"	65	63	DN 40	DN 25	48	16	10	126	165	308	050 UNKF S 21I 0062	1"	25	245	050 UNKF S 41I 0062	32	25	245
	2"	65	63	DN 40	DN 25	48	22	25	126	165	308	050 UNKF S 21J 0062	1"	25	245	050 UNKF S 41J 0062	32	25	245
	2"	59.1	56.6	DN 40	DN 25	48	21.1	15.9	126	165	308	050 UNKF S 21K 0062	1"	25	245	050 UNKF S 41K 0062	32	25	245

TYPE UNKF Series 15003

Monoflow, with BSP thread connection, ND 65 - 100



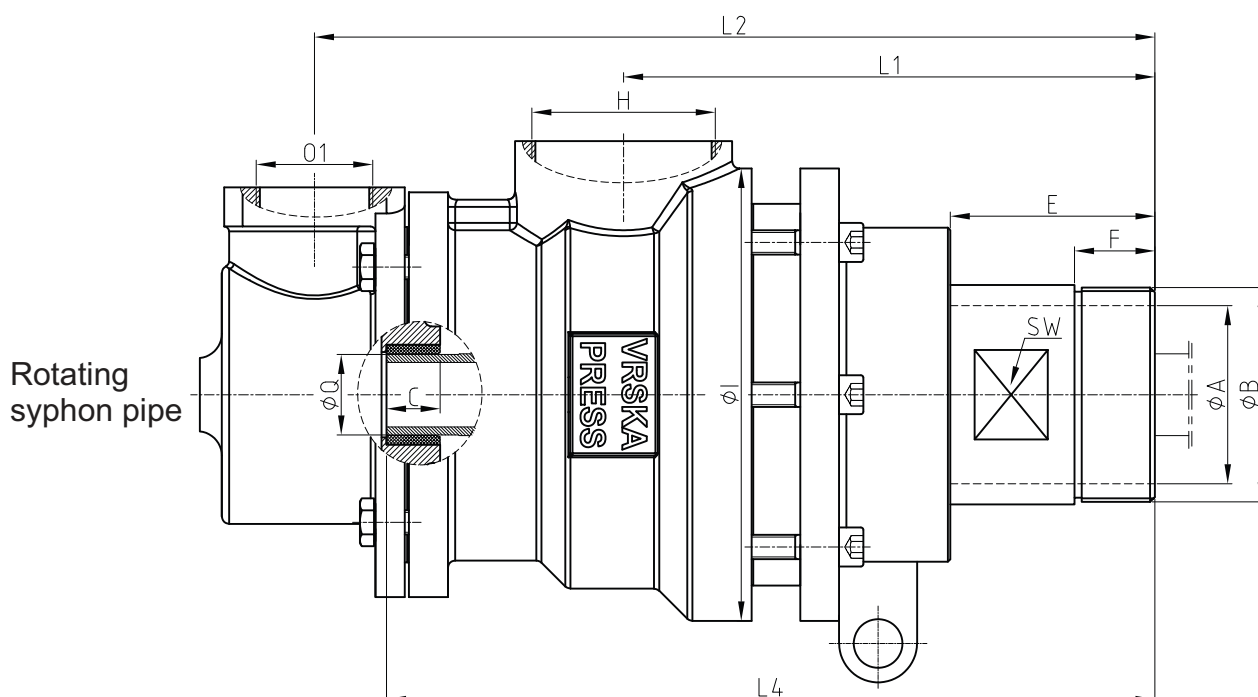
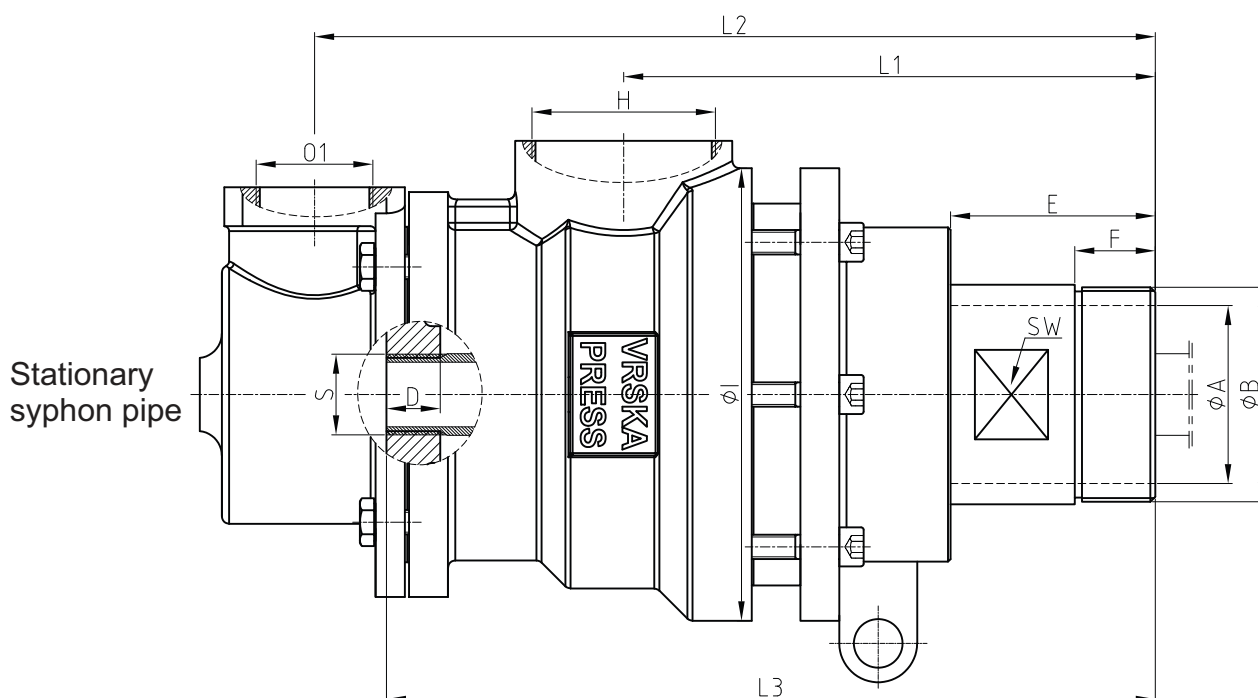
ND	Size	B Shaft Connection		O1	ØA	E	F	ØI	L1	L2	SW	Z	ØG	Monoflow with BSP (ISO 228) thread connection
														Ordering No.
65	2 ½"	G 2 ½"	RH	G 2"	63	75	41	185	209	319	90	102	20	065 UNKF S 11RH 15003
	2 ½"	G 2 ½"	LH	G 2"	63	75	41	185	209	319	90	102	20	065 UNKF S 11LH 15003
75	3"	G 3"	RH	G 2 ½"	73	84	33	185	218	326	90	102	20	075 UNKF S 11RH 15003
	3"	G 3"	LH	G 2 ½"	73	84	33	185	218	326	90	102	20	075 UNKF S 11LH 15003
83	3 ½"	G 3 ½"	RH	G 3"	83	88	45	210	230	345	100	112	20	083 UNKF S 11RH 15003
	3 ½"	G 3 ½"	LH	G 3"	83	88	45	210	230	345	100	112	20	083 UNKF S 11LH 15003
100	4"	G 4"	RH	G 3 ½"	98	105	60	229	286	450	114	129	20	100 UNKF S 11RH 15003
	4"	G 4"	LH	G 3 ½"	98	105	60	229	286	450	114	129	20	100 UNKF S 11LH 15003



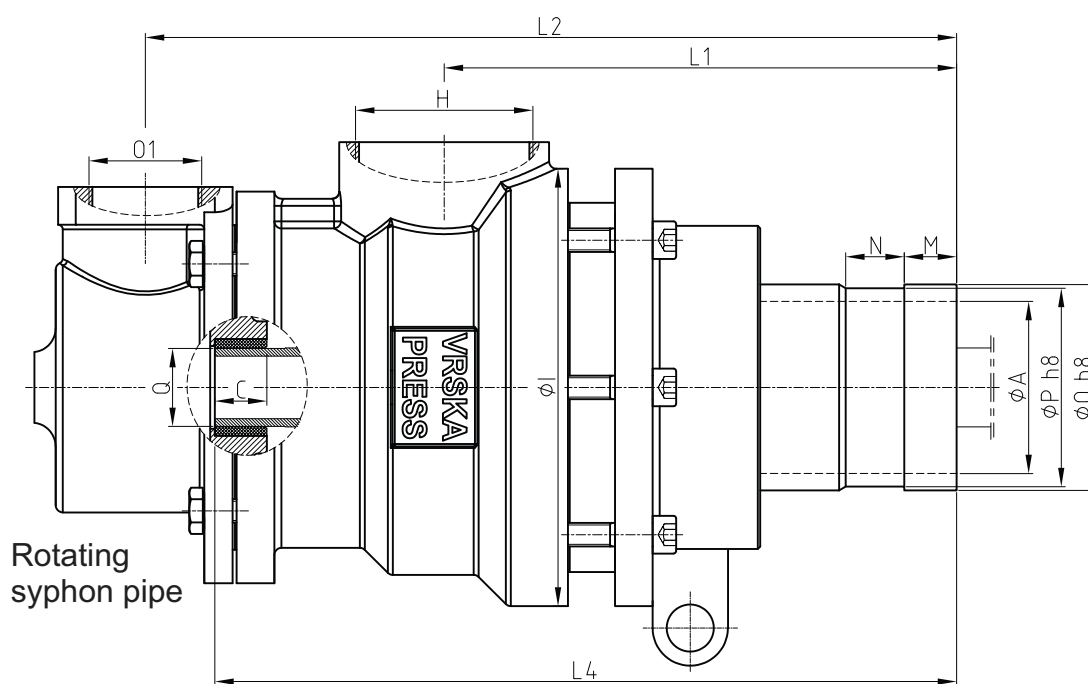
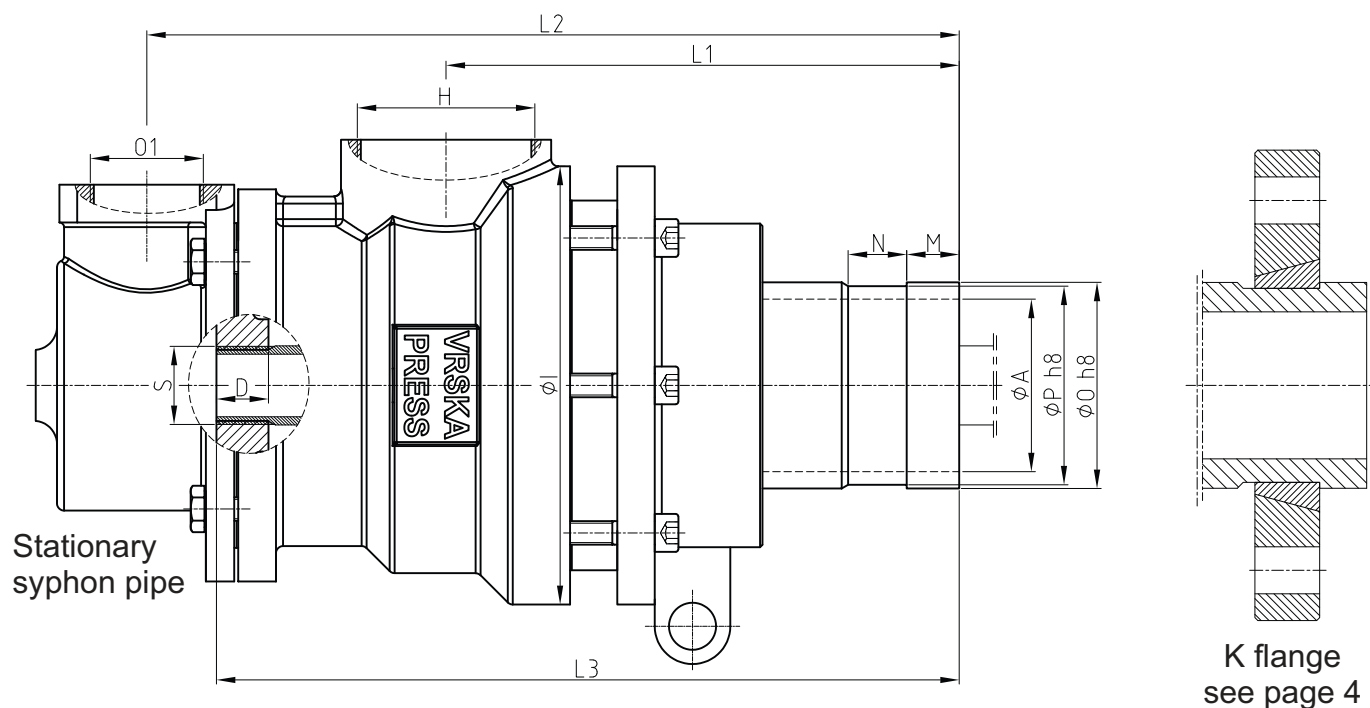
ND	Size	ØO h8 Shaft Connection	ØP h8	O1	ØA	N	M	ØI	L1	L2	Z	ØG	Monoflow with K flange connection
													Ordering No.
65	2 ½"	85	82	G 2"	62	16	10	185	218	328	102	20	065 UNKF S 11I 15003
	2 ½"	85	82	G 2"	62	28	25	185	218	328	102	20	065 UNKF S 11J 15003
	2 ½"	72.2	69	G 2"	62	28	19	185	218	328	102	20	065 UNKF S 11K 15003
75	3"	87.3	84.1	G 2 ½"	73	24.8	22.2	185	218	328	102	20	075 UNKF S 11K 15003
83	3 ½"	105	102	G 3"	83	20	12	210	245	360	112	20	083 UNKF S 11I 15003
	3 ½"	105	102	G 3"	83	34	30	210	245	360	112	20	083 UNKF S 11J 15003
	3 ½"	100	96.5	G 3"	83	32	25.4	210	245	360	112	20	083 UNKF S 11K 15003
100	4"	114	110	G 3 ½"	98	22	12	229	295	460	129	20	100 UNKF S 11I 15003
	4"	114	110	G 3 ½"	98	34	30	229	295	460	129	20	100 UNKF S 11J 15003
	4"	112.7	109.1	G 3 ½"	98	35	25.4	229	295	460	129	20	100 UNKF S 11K 15003

TYPE UNKF Series 15003

Duoflow, with BSP thread connection, ND 65 - 100



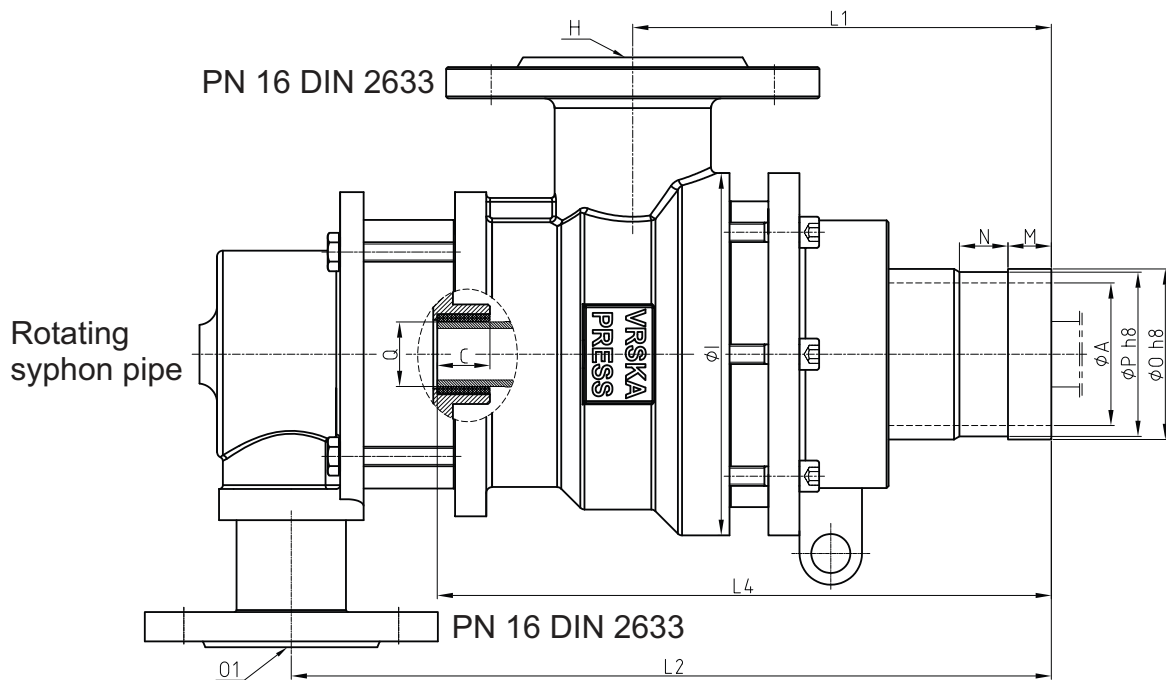
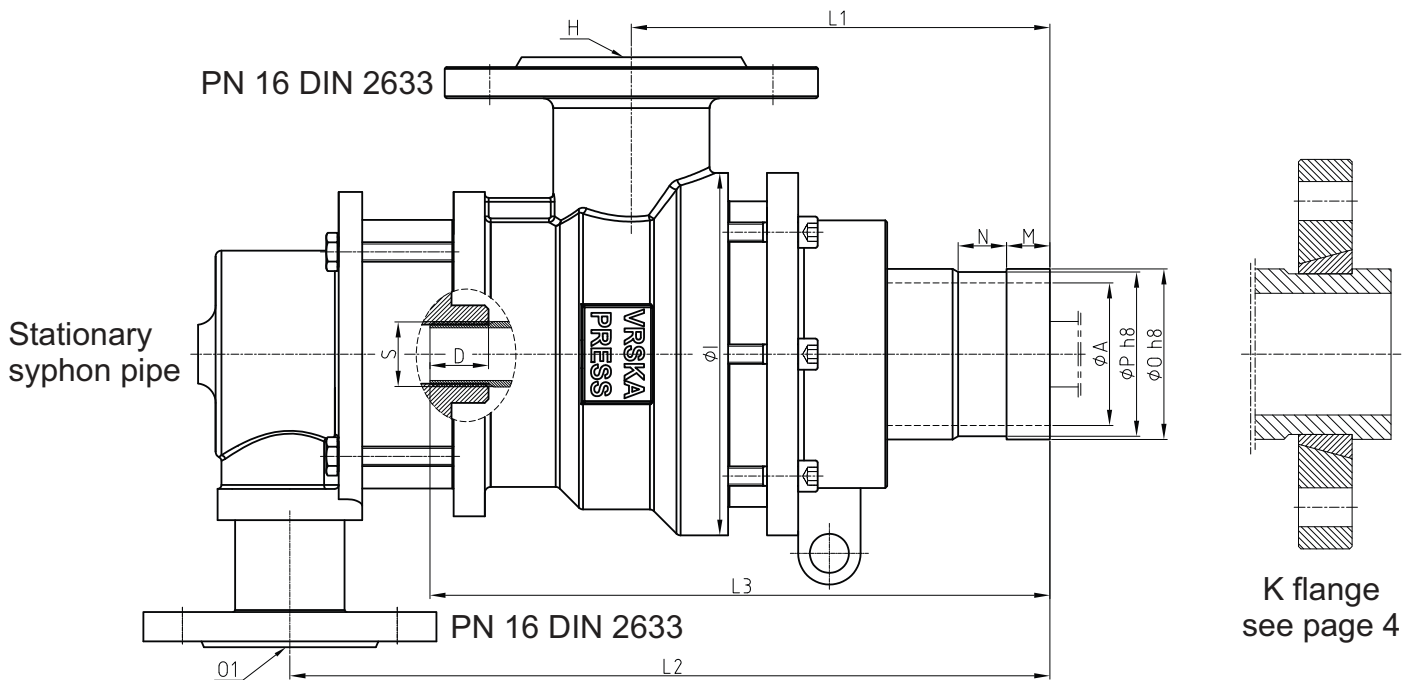
ND	Size	B	H	O1	ØA	E	F	ØI	L1	L2	SW	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.				Ordering No.			
65	2 1/2"	G 2 1/2" RH	G 2"	G 1 1/2"	63	75	41	185	209	336	90	065 UNKF S 21RH 15003	1"	22	306	065 UNKF S 41RH 15003	33.3	32	306
	2 1/2"	G 2 1/2" LH	G 2"	G 1 1/2"	63	75	41	185	209	336	90	065 UNKF S 21LH 15003	1"	22	306	065 UNKF S 41LH 15003	33.3	32	306
75	3"	G 3" RH	G 2 1/2"	G 1 1/2"	73	84	33	185	218	345	90	075 UNKF S 21RH 15003	1 1/2"	22	315	075 UNKF S 41RH 15003	48	35	315
	3"	G 3" LH	G 2 1/2"	G 1 1/2"	73	84	33	185	218	345	90	075 UNKF S 21LH 15003	1 1/2"	22	315	075 UNKF S 41LH 15003	48	35	315
83	3 1/2"	G 3 1/2" RH	G 2 1/2"	G 1 1/2"	83	88	45	210	230	380	100	083 UNKF S 21RH 15003	2"	25	335	083 UNKF S 41RH 15003	59.8	38	335
	3 1/2"	G 3 1/2" LH	G 2 1/2"	G 1 1/2"	83	88	45	210	230	380	100	083 UNKF S 21LH 15003	2"	25	335	083 UNKF S 41LH 15003	59.8	38	335
100	4"	G 4" RH	G 3"	G 2"	98	105	60	229	285	512	114	100 UNKF S 21RH 15003	2 1/2"	32	450	100 UNKF S 41RH 15003	75	50	450
	4"	G 4" LH	G 3"	G 2"	98	105	60	229	285	512	114	100 UNKF S 21LH 15003	2 1/2"	32	450	100 UNKF S 41LH 15003	75	50	450



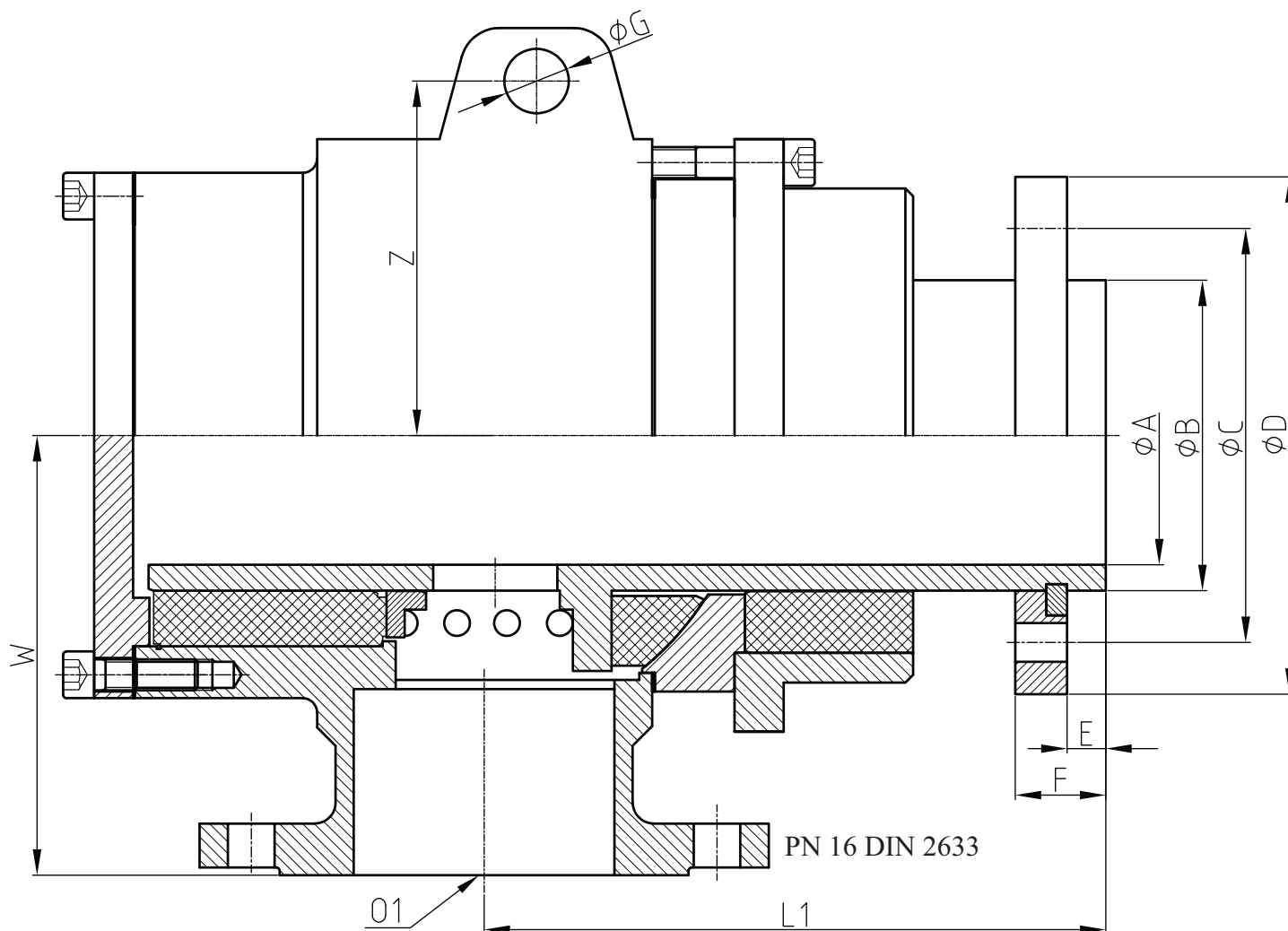
ND	Size	ØO h8	ØP h8	H	O1	ØA	N	M	ØI	L1	L2	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
65	2 1/2"	85	82	G 2"	G 1 1/2"	62	16	10	185	218	345	065 UNKF S 21I 15003	1"	22	315	065 UNKF S 41I 15003	33.3	32	315
	2 1/2"	85	82	G 2"	G 1 1/2"	62	28	25	185	218	345	065 UNKF S 21J 15003	1"	22	315	065 UNKF S 41J 15003	33.3	32	315
	2 1/2"	72.2	69	G 2"	G 1 1/2"	62	28	19	185	218	345	065 UNKF S 21K 15003	1"	22	315	065 UNKF S 41K 15003	33.3	32	315
75	3"	87.3	84.1	G 2 1/2"	G 1 1/2"	73	24.8	22.2	185	218	345	075 UNKF S 21K 15003	1 1/2"	22	315	075 UNKF S 41K 15003	48	35	315
83	3 1/2"	105	102	G 2 1/2"	G 1 1/2"	83	20	12	210	245	395	083 UNKF S 21I 15003	2"	25	350	083 UNKF S 41I 15003	59.8	38	350
	3 1/2"	105	102	G 2 1/2"	G 1 1/2"	83	34	30	210	245	395	083 UNKF S 21J 15003	2"	25	350	083 UNKF S 41J 15003	59.8	38	350
	3 1/2"	100	96.5	G 2 1/2"	G 1 1/2"	83	32	25.4	210	245	395	083 UNKF S 21K 15003	2"	25	350	083 UNKF S 41K 15003	59.8	38	350
100	4"	114	110	G 3"	G 2"	98	22	12	229	295	522	100 UNKF S 21I 15003	2 1/2"	32	460	100 UNKF S 41I 15003	75	50	460
	4"	114	110	G 3"	G 2"	98	34	30	229	295	522	100 UNKF S 21J 15003	2 1/2"	32	460	100 UNKF S 41J 15003	75	50	460
	4"	112.7	109.1	G 3"	G 2"	98	35	25.4	229	295	522	100 UNKF S 21K 15003	2 1/2"	32	460	100 UNKF S 41K 15003	75	50	460

TYPE UNKF Series 15063

Duoflow, with K flange connection, ND 65 - 100



ND	Size	ØO h8	ØP h8	H	O1	ØA	N	M	ØI	L1	L2	Stationary syphon pipe				Rotating syphon pipe			
												Ordering No.	S	D	L3	Ordering No.	ØQ	C	L4
65	2 1/2"	85	82	DN 50	DN 40	62	16	10	185	218	345	065 UNKF S 21I 15063	1"	22	315	065 UNKF S 41I 15063	33.3	32	315
	2 1/2"	85	82	DN 50	DN 40	62	28	25	185	218	345	065 UNKF S 21J 15063	1"	22	315	065 UNKF S 41J 15063	33.3	32	315
	2 1/2"	72.2	69	DN 50	DN 40	62	28	19	185	218	345	065 UNKF S 21K 15063	1"	22	315	065 UNKF S 41K 15063	33.3	32	315
75	3"	87.3	84.1	DN 65	DN 40	73	24.8	22.2	185	218	345	075 UNKF S 21K 15063	1 1/2"	22	315	075 UNKF S 41K 15063	48	35	315
83	3 1/2"	105	102	DN 65	DN 50	83	20	12	210	245	395	083 UNKF S 21I 15063	2"	25	350	083 UNKF S 41I 15063	59.8	38	350
	3 1/2"	105	102	DN 65	DN 50	83	34	30	210	245	395	083 UNKF S 21J 15063	2"	25	350	083 UNKF S 41J 15063	59.8	38	350
	3 1/2"	100	96.5	DN 65	DN 50	83	32	25.4	210	245	395	083 UNKF S 21K 15063	2"	25	350	083 UNKF S 41K 15063	59.8	38	350
100	4"	114	110	DN 80	DN 65	98	22	12	229	295	522	100 UNKF S 21I 15063	2 1/2"	32	460	100 UNKF S 41I 15063	75	50	460
	4"	114	110	DN 80	DN 65	98	34	30	229	295	522	100 UNKF S 21J 15063	2 1/2"	32	460	100 UNKF S 41J 15063	75	50	460
	4"	112.7	109.1	DN 80	DN 65	98	35	25.4	229	295	522	100 UNKF S 21K 15063	2 1/2"	32	460	100 UNKF S 41K 15063	75	50	460



ND	Size	O1 Flange	ØB h8 Shaft Connection	ØC	ØD	ØA	E	F	L1	Z	ØG	W	Monoflow
													Ordering No.
100	4"	DN 100	120	160	200	100	15	35	240	137	25	170	100 UNKF N 11P 13062
125	4 ½"	DN 125	160	225	280	125	15	39	290	158	25	220	125 UNKF N 11P 13062



