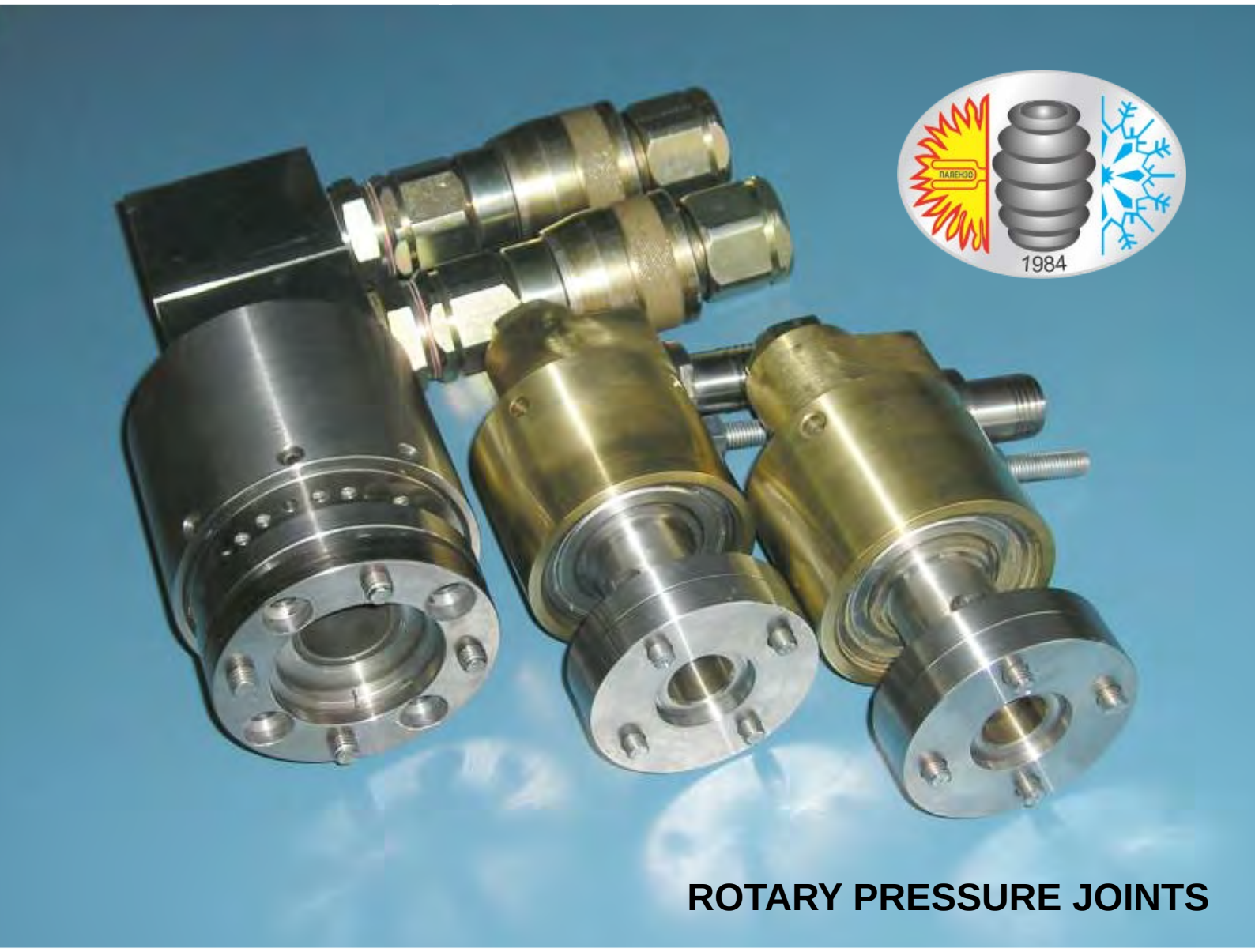


ROTARY PRESSURE JOINTS

Rotary pressure joint (dual flow), type UOPB A

Universal rotary pressure joint type UOPB has wide range of application (for water, air, oils and chemically aggressive medias). Construction of rotary pressure joint type UOPB has rotating inner pipe for condensate outlet. The connection between the inner pipe and the outer housing is done by the use of graphite sleeve bearing.

Flow direction:
Dual
Seal material:
carbon-graphite / tungstencarbide

Rotary pressure joint (dual flow), type UOPB B

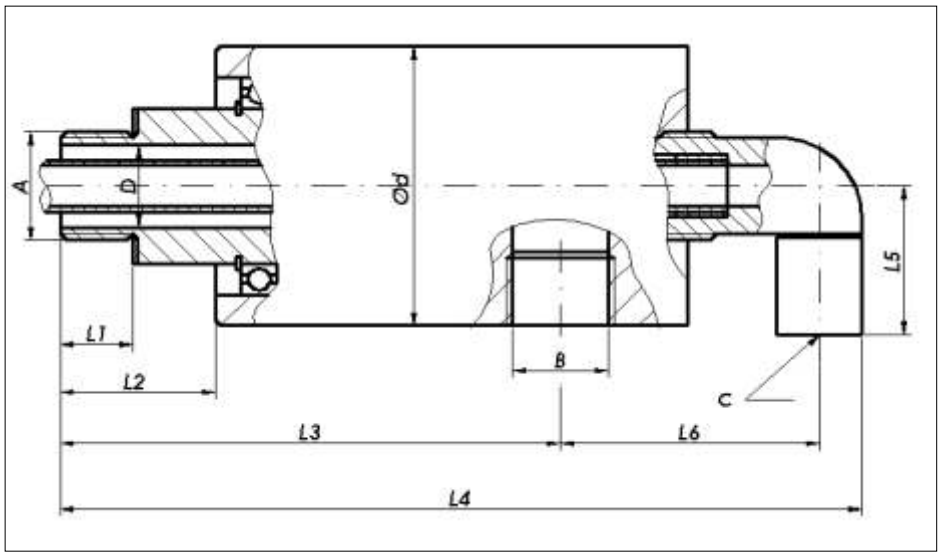
Universal rotary pressure joint type UOPB B is primarily recommended to be used for applications when the working media is hot oil.

Flow direction:
Dual
Seal material:
carbon-graphite / CrNi-steel

Rotary pressure joint (dual flow), type UOPB C

Universal rotary pressure joint type UOPB C is primarily recommended to be used for applications when the working media is highly abrasive and where the application of soft seal faces would cause hard particles to be pressed in the soft seal face.

Flow direction:
Dual
Seal material:
siliconcarbide / siliconcarbide



fluid	type	t_{max} (°C)	p_{max} (bar)
water	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40
steam	UOPD A	for intermitting applications	
	UOPD B		
	UOPD C		
oil	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40

Application

- paper industry
- textile industry
- rubber industry
- food industry
- chemical industry

rotary pressure joint type			A	B	C	D	d	L_1	L_2	L_3	L_4	L_5	L_6
UOPB A 01	**UOPB B 01**	**UOPB C 01**	G 3/8" RH	G 3/8"	G 1/4"	10	43	14	26	80	130	20	35
UOPB A 02	**UOPB B 02**	**UOPB C 02**	G 3/8" LH	G 3/8"	G 1/4"	10	43	14	26	80	130	20	35
UOPB A 03	**UOPB B 03**	**UOPB C 03**	G 1/2" RH	G 1/2"	G 3/8"	13	51	14	34	95	150	25	40
UOPB A 04	**UOPB B 04**	**UOPB C 04**	G 1/2" LH	G 1/2"	G 3/8"	13	51	14	34	95	150	25	40
UOPB A 05	**UOPB B 05**	**UOPB C 05**	G 3/4" RH	G 3/4"	G 1/2"	19	65	18	34	111	170	28	45
UOPB A 06	**UOPB B 06**	**UOPB C 06**	G 3/4" LH	G 3/4"	G 1/2"	19	65	18	34	111	170	28	45
UOPB A 07	**UOPB B 07**	**UOPB C 07**	G 1" RH	G 1"	G 1/2"	24	74	22	42	126	200	33	55
UOPB A 08	**UOPB B 08**	**UOPB C 08**	G 1" LH	G 1"	G 1/2"	24	74	22	42	126	200	33	55
UOPB A 09	**UOPB B 09**	**UOPB C 09**	G 1 1/4" RH	G 1 1/4"	G 3/4"	32	85	23	54	144	230	35	65
UOPB A 10	**UOPB B 10**	**UOPB C 10**	G 1 1/4" LH	G 1 1/4"	G 3/4"	32	85	23	54	144	230	35	65
UOPB A 11	**UOPB B 11**	**UOPB C 11**	G 1 1/2" RH	G 1 1/2"	G 1"	38	100	25	71	155	260	38	75
UOPB A 12	**UOPB B 12**	**UOPB C 12**	G 1 1/2" LH	G 1 1/2"	G 1"	38	100	25	71	155	260	38	75
UOPB A 13	**UOPB B 13**	**UOPB C 13**	G 2" RH	G 2"	G 1 1/4"	48	110	28	65	165	284	40	80
UOPB A 14	**UOPB B 14**	**UOPB C 14**	G 2" LH	G 2"	G 1 1/4"	48	110	28	65	165	284	40	80

*note: RH=right-handed, LH=left-handed

On customers' request other dimesions could be supplied

Rotary pressure joint (dual flow), type UOPD A

Universal rotary pressure joint type UOPD A has wide range of application (for water, air, oils and chemically aggressive medias).
With the use of components made of stainless steel and the selection of adequate secondary seals, high corrosion resistance is gained, as well as the application in higher temperatures and much longer life.

Flow direction:
Dual
Seal material:
carbon-graphite / tungstencarbide

Rotary pressure joint (dual flow), type UOPD B

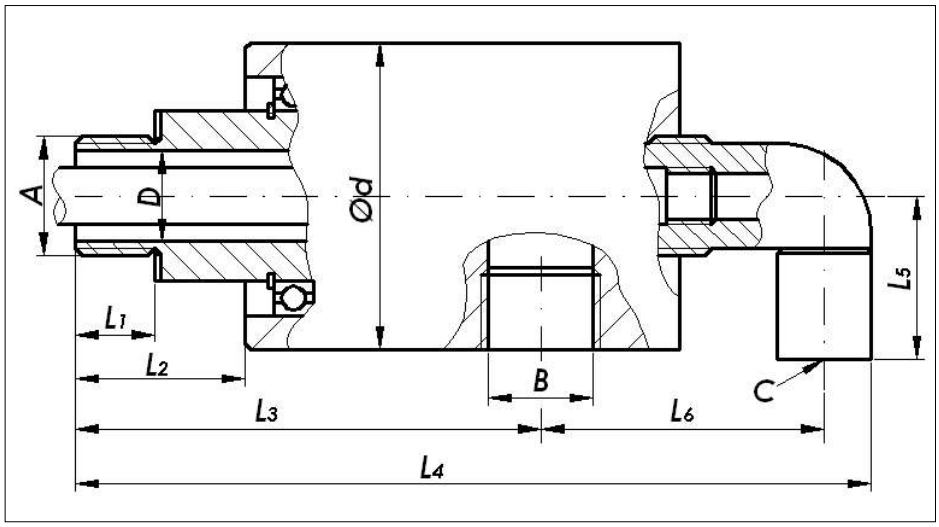
Universal rotary pressure joint type UOPD B is primarily recommended to be used for applications when the working media is hot oil.

Flow direction:
Dual
Seal material:
carbon-graphite / CrNi-steel

Rotary pressure joint (dual flow), type UOPD C

Universal rotary pressure joint type UOPD C is primarily recommended to be used for applications when the working media is highly abrasive and where the application of soft seal faces would cause hard particles to be pressed in the soft seal face.

Flow direction:
Dual
Seal material:
siliconcarbide / siliconcarbide



fluid	type	t_{max} (°C)	p_{max} (bar)
water	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40
steam	UOPD A	for intermitting applications	
	UOPD B		
	UOPD C		
oil	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40

Application

- paper industry
- textile industry
- rubber industry
- food industry
- chemical industry

rotary pressure joint type			A	B	C	D	d	L_1	L_2	L_3	L_4	L_5	L_6
UOPD A 01	**UOPD B 01**	**UOPD C 01**	G 3/8" RH	G 3/8"	G 1/4"	10	43	14	26	80	130	20	35
UOPD A 02	**UOPD B 02**	**UOPD C 02**	G 3/8" LH	G 3/8"	G 1/4"	10	43	14	26	80	130	20	35
UOPD A 03	**UOPD B 03**	**UOPD C 03**	G 1/2" RH	G 1/2"	G 3/8"	13	51	14	34	95	150	25	40
UOPD A 04	**UOPD B 04**	**UOPD C 04**	G 1/2" LH	G 1/2"	G 3/8"	13	51	14	34	95	150	25	40
UOPD A 05	**UOPD B 05**	**UOPD C 05**	G 3/4" RH	G 3/4"	G 1/2"	19	65	18	34	111	170	28	45
UOPD A 06	**UOPD B 06**	**UOPD C 06**	G 3/4" LH	G 3/4"	G 1/2"	19	65	18	34	111	170	28	45
UOPD A 07	**UOPD B 07**	**UOPD C 07**	G 1" RH	G 1"	G 1/2"	24	74	22	42	126	200	33	55
UOPD A 08	**UOPD B 08**	**UOPD C 08**	G 1" LH	G 1"	G 1/2"	24	74	22	42	126	200	33	55
UOPD A 09	**UOPD B 09**	**UOPD C 09**	G 1 1/4" RH	G 1 1/4"	G 3/4"	32	85	23	54	144	230	35	65
UOPD A 10	**UOPD B 10**	**UOPD C 10**	G 1 1/4" LH	G 1 1/4"	G 3/4"	32	85	23	54	144	230	35	65
UOPD A 11	**UOPD B 11**	**UOPD C 11**	G 1 1/2" RH	G 1 1/2"	G 1"	38	100	25	71	155	260	38	75
UOPD A 12	**UOPD B 12**	**UOPD C 12**	G 1 1/2" LH	G 1 1/2"	G 1"	38	100	25	71	155	260	38	75
UOPD A 13	**UOPD B 13**	**UOPD C 13**	G 2" RH	G 2"	G 1 1/4"	48	110	28	65	165	284	40	80
UOPD A 14	**UOPD B 14**	**UOPD C 14**	G 2" LH	G 2"	G 1 1/4"	48	110	28	65	165	284	40	80

*note: RH=right-handed, LH=left-handed

On customers' request other dimesions could be supplied

Rotary pressure joint (single flow), type UOPM A

Universal rotary pressure joint type UOPM A has wide range of application (for water, air, oils and chemically aggressive medias). With the use of components made of stainless steel and the selection of adequate secondary seals, high corrosion resistance is gained, as well as the application in higher temperatures and much longer life.

Flow direction:
single
Seal material:
carbon-graphite / tungstencarbide

Rotary pressure joint (single flow), type UOPM B

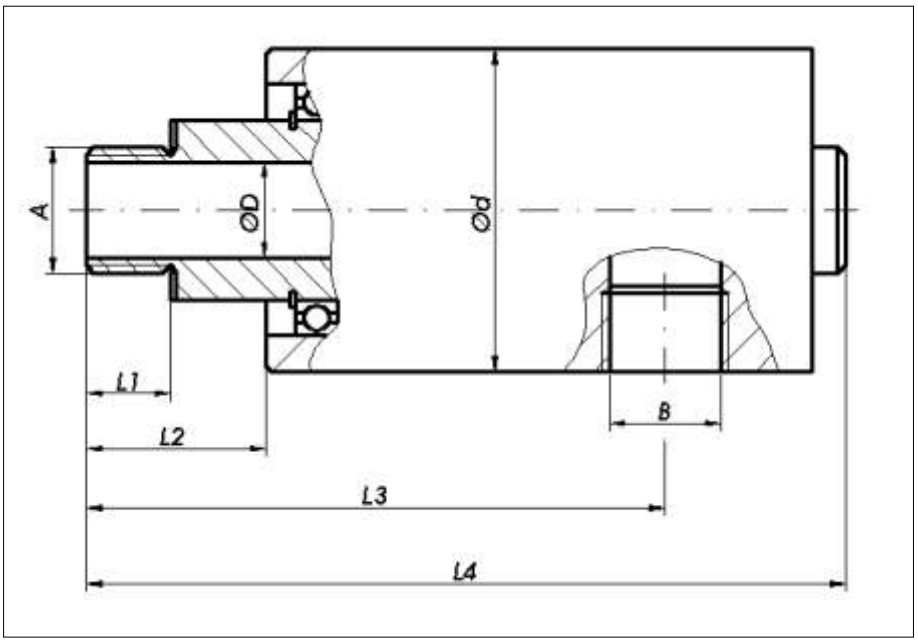
Universal rotary pressure joint type UOPM B is primarily recommended to be used for applications when the working media is hot oil.

Flow direction:
single
Seal material:
carbon-graphite / CrNi-steel

Rotary pressure joint (single flow), type UOPM C

Universal rotary pressure joint type UOPM C is recommended for application in corrosive media.

Flow direction:
single
Seal material:
siliconcarbide / siliconcarbide



fluid	type	t_{max} (°C)	p_{max} (bar)
water	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40
steam	UOPD A	for intermitting applications	
	UOPD B		
	UOPD C		
oil	UOPD A	150	40
	UOPD B	150	40
	UOPD C	150	40

Application

- paper industry
- textile industry
- rubber industry
- food industry
- chemical industry

rotary pressure joint type			A	B	D	d	L_1	L_2	L_3	L_4
UOPM A 01	**UOPM B 01**	**UOPM C 01**	G 3/8" RH	G 3/8"	10	43	14	26	91	105
UOPM A 02	**UOPM B 02**	**UOPM C 02**	G 3/8" LH	G 3/8"	10	43	14	26	91	105
UOPM A 03	**UOPM B 03**	**UOPM C 03**	G 1/2" RH	G 1/2"	13	55	14	34	95	120
UOPM A 04	**UOPM B 04**	**UOPM C 04**	G 1/2" LH	G 1/2"	13	55	14	34	95	120
UOPM A 05	**UOPM B 05**	**UOPM C 05**	G 3/4" RH	G 3/4"	18	64	16	34	111	138
UOPM A 06	**UOPM B 06**	**UOPM C 06**	G 3/4" LH	G 3/4"	18	64	16	34	111	138
UOPM A 07	**UOPM B 07**	**UOPM C 07**	G 1" RH	G 1"	22	70	21	42	126	165
UOPM A 08	**UOPM B 08**	**UOPM C 08**	G 1" LH	G 1"	22	70	21	42	126	165
UOPM A 09	**UOPM B 09**	**UOPM C 09**	G 1 1/4" RH	G 1 1/4"	30	85	23	54	141	185
UOPM A 10	**UOPM B 10**	**UOPM C 10**	G 1 1/4" LH	G 1 1/4"	30	85	23	54	141	185
UOPM A 11	**UOPM B 11**	**UOPM C 11**	G 1 1/2" RH	G 1 1/2"	35	100	25	71	155	220
UOPM A 12	**UOPM B 12**	**UOPM C 12**	G 1 1/2" LH	G 1 1/2"	35	100	25	71	155	220
UOPM A 13	**UOPM B 13**	**UOPM C 13**	G 2" RH	G 2"	47	110	25	65	164	230
UOPM A 14	**UOPM B 14**	**UOPM C 14**	G 2" LH	G 2"	47	110	25	65	164	230

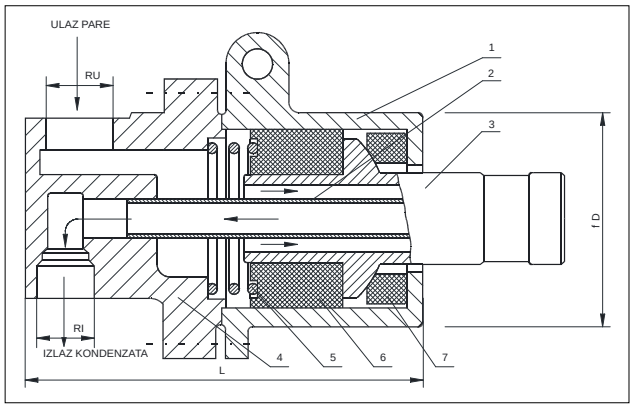
*note: RH=right-handed, LH=left-handed

On customers' request other dimesions could be supplied

Rotary pressure joint, type OP

Rotary pressure joint type OP is an assembly enabling simultaneous medium (steam) inlet from installation into rotary equipment and condensate outlet from rotary equipment into fixed installation. Overall efficiency of equipement in paper, textile and rubber industry depends on these processes.

Rotary pressure joint type OP is self-adjusting assembly compensating thermal deformations caused by equipment heating or cooling.



1 -Housing
2 -Condensate discharging tube
3 -Inlet tube
4 -Head with connection threads
5 -Spring
6 -Slide bearing
7 -Sealing ring

- pressure: 10 bar max (above on special requests)
- temperature: 300°C
- speed: 100 o/min

type	RU	RI	L	D
OP 210	R 3/4”	R 1/2”	145	75
OP 220	R 1”	R 1/2”	195	90
OP 230	R 1 1/4”	R 3/4”	220	115
OP 240	R 1 1/2”	R 3/4”	235	125
OP 250	R 2”	R 1”	260	140

On customers’ request other dimesions could be supplied

Application

- paper industry
- textile industry
- rubber industry
- food industry
- chemical industry