



Serie/Series

N

Giunti rotanti per vapore o olio diatermico
Rotary Union for Steam or Hot Oil



The N series is divided into two categories:

- **FOR STEAM:** The rotary part and flange are made of stainless steel.

- **FOR HOT OIL:** The entire rotary union is made of cast iron. For both categories, the seal and bearings are made with impregnated graphite.

The housing, a fixed part, has cylindrical BSP thread while the shaft, the rotary part, has conical BSP thread.

I giunti della serie N si suddividono in due categorie:

- **PER VAPORE:** la fornitura standard prevede che la parte rotante e la flangia di chiusura siano in acciaio inox.

- **PER OLIO DIATERMICO:** la fornitura standard prevede che il materiale costruttivo sia interamente in ghisa.

Per entrambe le categorie la tenuta sferica e i cuscinetti sono in grafite impregnata, le filettature GAS cilindriche per la parte fissa (corpo) e GAS conica per la parte rotante (rotore).

MAX FLUID PRESSURE

STEAM - WATER - HOT OIL
Up to 25 bar



MAX SPEED

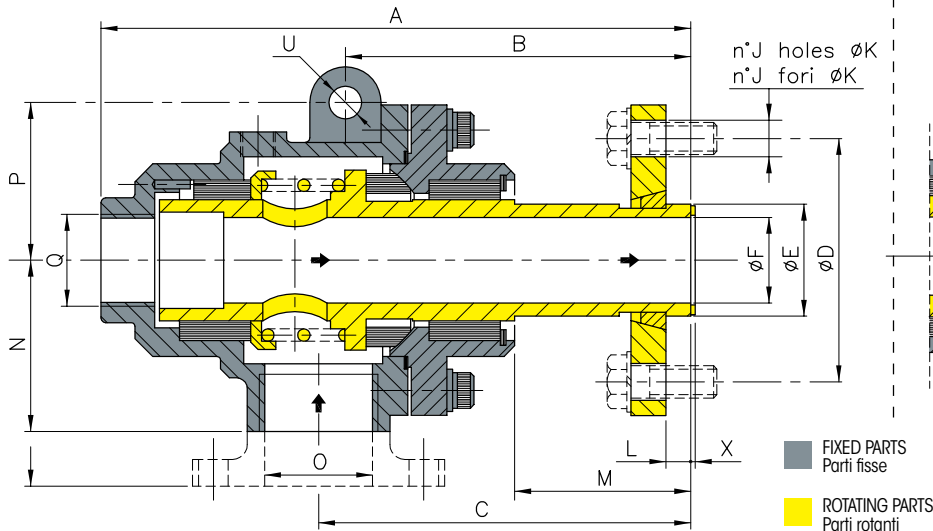
Up to 500 rpm
Above 500 rpm contact Tech Dept

MAX TEMPERATURE

STEAM - WATER - HOT OIL 316 °C

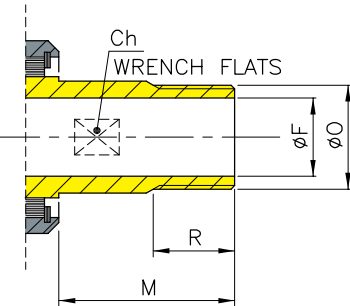
①

FLANGED VERSION
Versione attacco a flangia



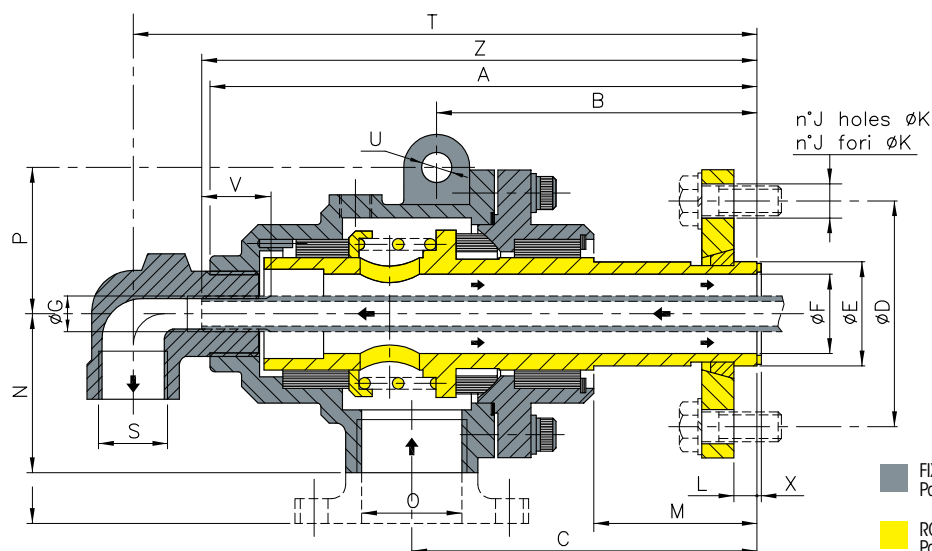
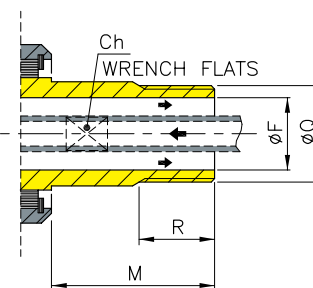
②

THREADED VERSION
Versione filettata



For left thread, the third letter of code change replacing "D" with "S"
Per filettature sinistre, la terza lettera del codice varia sostituendo "D" con "S"

STEAM - THERMAL OIL Vapore - Olio Diatermico	A	B	C	D	E	F	J	K	L	M	N	O	P	Q	R	Ch	U
NBD050-GF3KX	137	82	90	/	/	19	/	/	/	40 1,57	40	1/2" BSP	38	1/2" BSP	18	24	10
NBD075-GF3KX NB0075-GF3LX	137	82	90	/	/	19	/	/	/	40 1,57	40	3/4" BSP	38	1/2" BSP	18	24	10
NBD100-GF3KX NB0100-GF3LX	163	99	108	/	/	24	/	/	/	49 1,92	48	1" BSP	46	3/4" BSP	18	30	12
NBD125-GF3KX NB0125-GF3LX	183	106	115	/	/	32	/	/	/	50 1,96	60	1 1/4" BSP	58	1" BSP	23	40	12
NBD150-GF3KX NB0150-GF3LX	200	119	134	/	/	38	/	/	/	55 2,16	63	1 1/2" BSP	60	1 1/4" BSP	24	46	14
NBD200-GF3KX NB0200-GF3LX	236	135	155	/	/	49	/	/	/	62 2,44	75	2" BSP	70	1 1/2" BSP	25	58	16
NBD250-GF3KX NB0250-GF3LX	271	152	175	/	/	62	/	/	/	68,5 2,69	90	2 1/2" BSP	81	2" BSP	32	73	18
NBD300-GF3KX NB0300-GF3LX	308	165	194	/	/	72	/	/	/	73 2,87	103	3" BSP	90	2 1/2" BSP	33	83	20
NB0400-LF1LF	338	189	213	180	112,7	95	8	18	25	85 3,34	160	DN100	115	/	/	/	25
NB0500-LF1LF	417	222	257	240	139,2	122	8	22	32	96 3,78	200	DN125	140	/	/	/	30
NB0600-LF1LF	498	248	291	270	168	146	8	22	32	103 4,05	220	DN150	162	/	/	/	35
NB0800-LF1LF	673	317	363	295	/	200	12	22	60	113 4,44	250	DN200	210	/	/	/	40

1
FLANGED VERSION
 Versione attacco a flangia

2
THREADED VERSION
 Versione filettata

Threaded pipe

The elbow of NF series help to support the syphon and it will be screwed in the elbow. The thread must be concentric of rotary union's axis for avoid misalignment

Tubo filettato

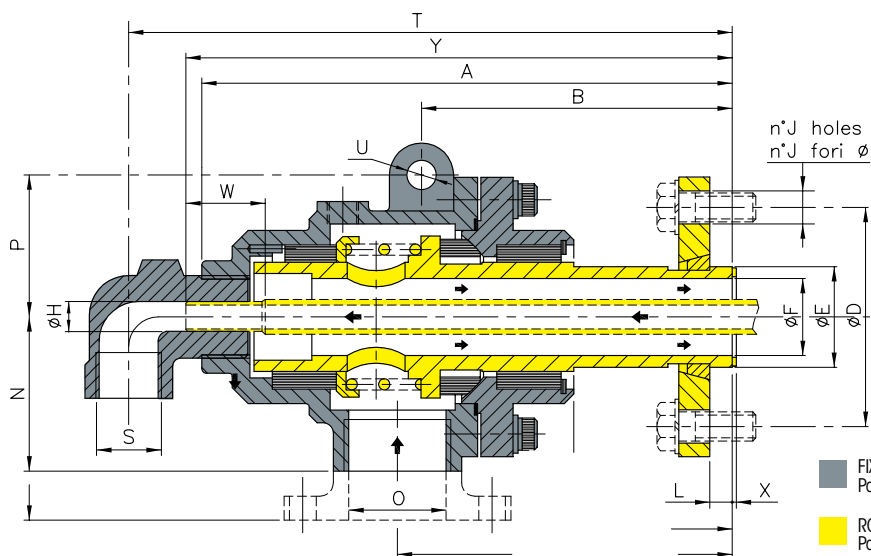
La curva dei giunti serie NF fa da supporto al tubo sifone, il quale si avvita su di essa. Il filetto deve essere concentrico all'asse del giunto per evitare disassamenti rispetto all'asse del rullo

For left thread, the third letter of code change replacing "D" with "S"
 Per filettature sinistre, la terza lettera del codice varia sostituendo "D" con "S"

	STEAM - THERMAL OIL Vapore - Olio Diatermico	G	G1 (opt.)	T	V	Z
②	NFD052-GF3KX	1/8" BSP	1/4" BSP	150	15	137
②	NFD077-GF3KX	1/4" BSP	1/8" BSP	169	15	159
①	NF0077-GF3LX					
②	NFD102-GF3KX	3/8" BSP	1/4" BSP	202	17	187
①	NF0102-GF3LX					
②	NFD127-GF3KX	1/2" BSP	3/8" BSP	232	20	212
①	NF0127-GF3LX					
②	NFD152-GF3KX	3/4" BSP	1/2" BSP	256	25	231
①	NF0152-GF3LX					
②	NFD202-GF3KX	1" BSP	3/4" BSP	296	25	271
①	NF0202-GF3LX					
②	NFD252-GF3KX	1 1/4" BSP	1" BSP	337	28	307
①	NF0252-GF3LX					
②	NFD302-GF3KX	1 1/2" BSP	2 1/4" BSP	387	30	347
①	NF0302-GF3LX					
①	NB0402-LF1LF	2" BSP	DN 65	464	35	343
①	NB0502-LF1LF	2 1/2" BSP	DN 80	567	60	420
①	NB0602-LF1LF	3" BSP	DN 100	685	70	500
①	NB0802-LF1LF	4" BSP	DN 125	723	150	615

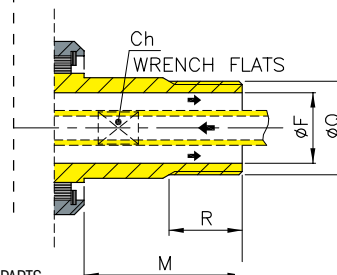
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FLANGED VERSION
Versione attacco a flangia



2

THREADED VERSION
Versione filettata



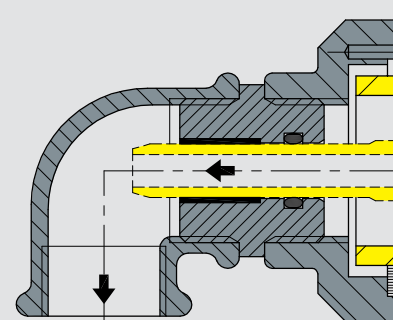
FIXED PARTS
Parti fisse

ROTATING PARTS
Parti rotanti

For left thread, the third letter of code change replacing "D" with "S"
Per filettature sinistre, la terza lettera del codice varia sostituendo "D" con "S"

	STEAM - THERMAL OIL Vapore - Olio Diatermico	H	S	T	V	Y
2	NRD052-GF3KX	9	1/4" BSP	150	15	137
2	NRD077-GF3KX	12	3/8" BSP	169	15	159
1	NR0077-GF3LX					
2	NRD102-GF3KX	16	1/2" BSP	202	17	187
1	NR0102-GF3LX					
2	NRD127-GF3KX	20	3/4" BSP	232	20	212
1	NR0127-GF3LX					
2	NRD152-GF3KX	25	1" BSP	256	25	231
1	NR0152-GF3LX					
2	NRD202-GF3KX	32	1 1/4" BSP	296	25	271
1	NR0202-GF3LX					
2	NRD252-GF3KX	40	1 1/2" BSP	337	28	307
1	NR0252-GF3LX					
2	NRD302-GF3KX	45	2" BSP	387	30	347
1	NR0302-GF3LX					
1	NR0402-LF1LF	58	DN 65	464	35	343
1	NR0502-LF1LF	75	DN 80	567	60	420
1	NR0602-LF1LF	87	DN 100	685	70	500
1	NR0802-LF1LF	112	DN 125	723	150	615

ROTARY SYPHON WITH SEAL
Tubo sifone rotante con tenuta



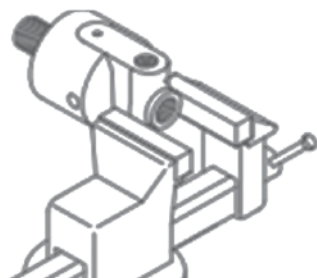
For NT series it's the same for NR series, but in the elbow there is one seal for double independent passage

Per la serie NT vale lo stesso discorso della serie NR, ma con la differenza che nella curva è presente una guarnizione che consente di avere due vie indipendenti.

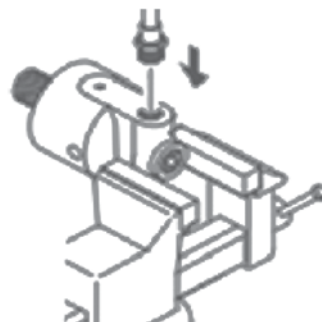


HOW TO INSTALL // COME INSTALLARE

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2



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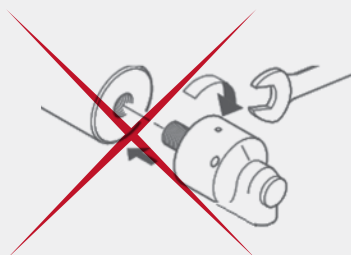


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HOW TO NOT INSTALL // COME NON INSTALLARE

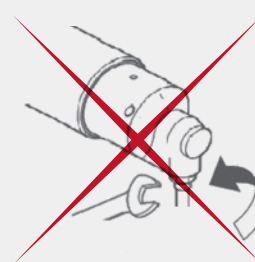
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2



3



PIPES MUST BE FLEXIBLE!
ITUBI DEVONO ESSERE FLESSIBILI