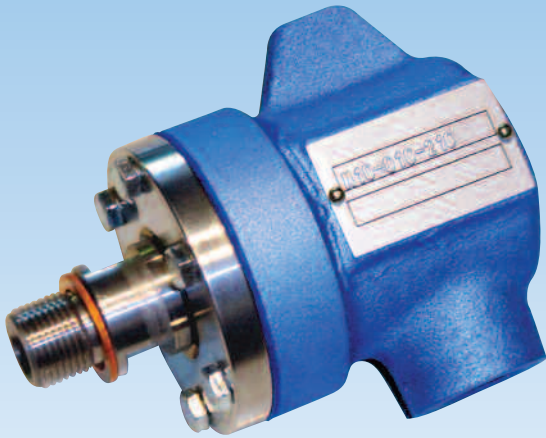


# DEUBLIN

## N Series Steam and Hot Oil Unions



- monoflow design: N10
- monoflow and duoflow design: N12
- self-supported rotating union
- large carbon graphite bearing
- pressurized spherical carbon graphite seal
- cast iron housing
- stainless steel rotor

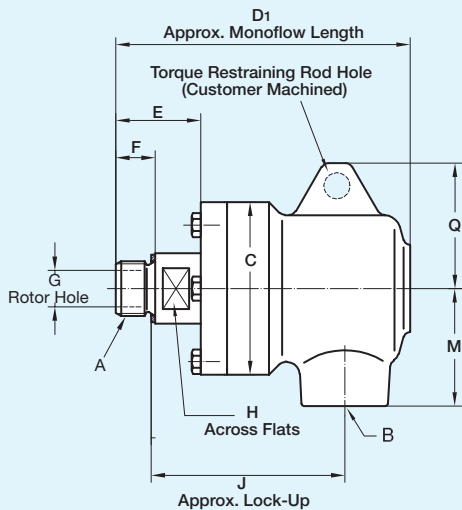
### Operating Data

Maximum Steam Pressure <sup>①</sup>	250 PSI	17 bar
Maximum Steam Temperature	400°F	200°C
Maximum Hot Oil Pressure <sup>①</sup>	100 PSI	7 bar
Maximum Speed <sup>①</sup>	750 RPM	750/min

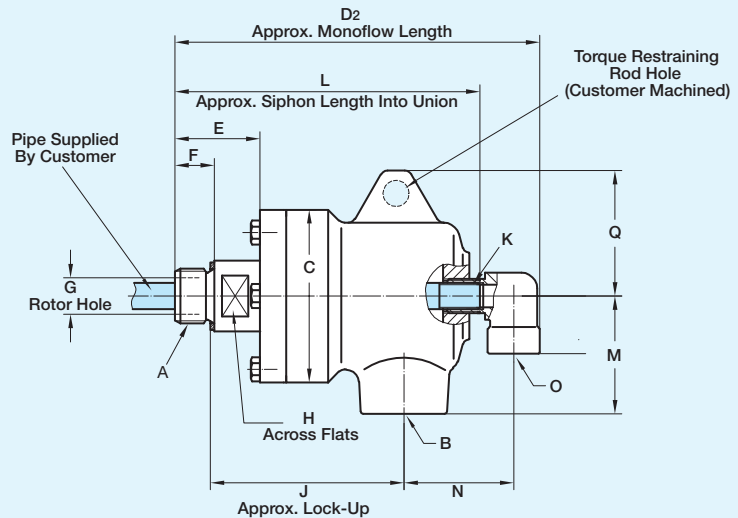
Maximum Hot Oil Temperature      450°F      >450°F consult **DEUBLIN**

<sup>①</sup> Union is designed for continuous operation at either maximum speed or maximum pressure. If operating conditions are close to maximum pressure and speed simultaneously, consult **DEUBLIN**.

### Monoflow Union



### Duoflow Union



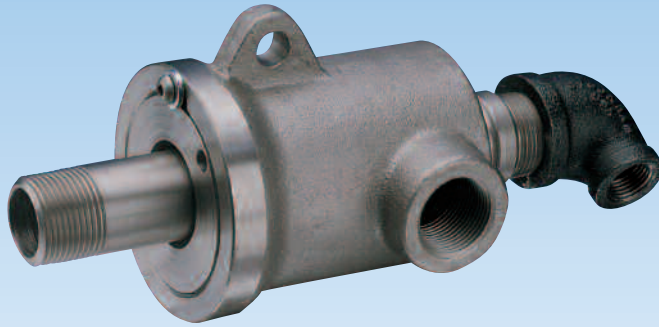
	B Port NPT	Ordering Number		A Rotor Thread	C Dia.	D <sub>1</sub>	D <sub>2</sub>	E	F	G Rotor Hole	H	J <sup>①</sup>	K	L <sup>①</sup>	M	N	O	Q	Shpg. Wt.	
		Steam Service	Hot Oil 450°F Max.																	
Monoflow	3/8"	N10-020-214	N10-021-214	3/8" NPT RH	2 3/8"	4 1/8"	-	1 7/32"	1 9/32"	1 3/32"	2 1/32"	3"	-	-	1 9/16"	-	-	1 21/32"	2.4#	
		N10-020-215	N10-021-215	3/8" NPT LH																
		N10-020-210	N10-021-210	G 3/8" (BSP) RH	60	105	-	31	15	10	17	68.5	-	-	40	-	-	42	1.1 Kg	
		N10-020-211	N10-021-211	G 3/8" (BSP) LH																
	1/2"	N12-020-214	N12-021-214	1/2" NPT RH	2 19/32"	4 7/16"	-	1 9/32"	1 9/32"	9/16"	7/8"	3 1/8"	-	-	1 25/32"	-	-	1 29/32"	3.1#	
		N12-020-215	N12-021-215	1/2" NPT LH																
Duoflow	1/2"	N12-020-210	N12-021-210	G 1/2" (BSP) RH	66	112.5	-	32.5	15	14	22	74	-	-	45	-	-	48	1.4 Kg	
		N12-020-211	N12-021-211	G 1/2" (BSP) LH																
		N12-022-214-701	N12-023-214-701	1/2" NPT RH	2 19/32"	-	5 1/2"	1 9/32"	1 9/32"	9/16"	7/8"	3 3/8"	1/8" NPT	4 19/32"	1 25/32"	1 21/32"	1/4" NPT	1 29/32"	3.1#	
		N12-022-215-701	N12-023-215-701	1/2" NPT LH																
1/2"	1/2"	N12-022-210-701	N12-023-210-701	G 1/2" (BSP) RH	66	-	139.5	32.5	15	14	22	74	1/8" NPT	116.5	45	42	1/4" NPT	48	1.4 Kg	
		N12-022-211-701	N12-023-211-701	G 1/2" (BSP) LH																

<sup>①</sup> Dimensions for NPT Rotor Threads are from Wrench Tight Engagement.

# DEUBLIN

## 9000 Series Steam and Hot Oil Unions

- monoflow and duoflow design
- self-supported rotating union
- spherical Carbon Graphite seal
- seal wear indicator allows preventive maintenance
- 2 torque lugs on the housing
- nickel-plated cast iron housing
- steel rotor, nickel-plated for steam service

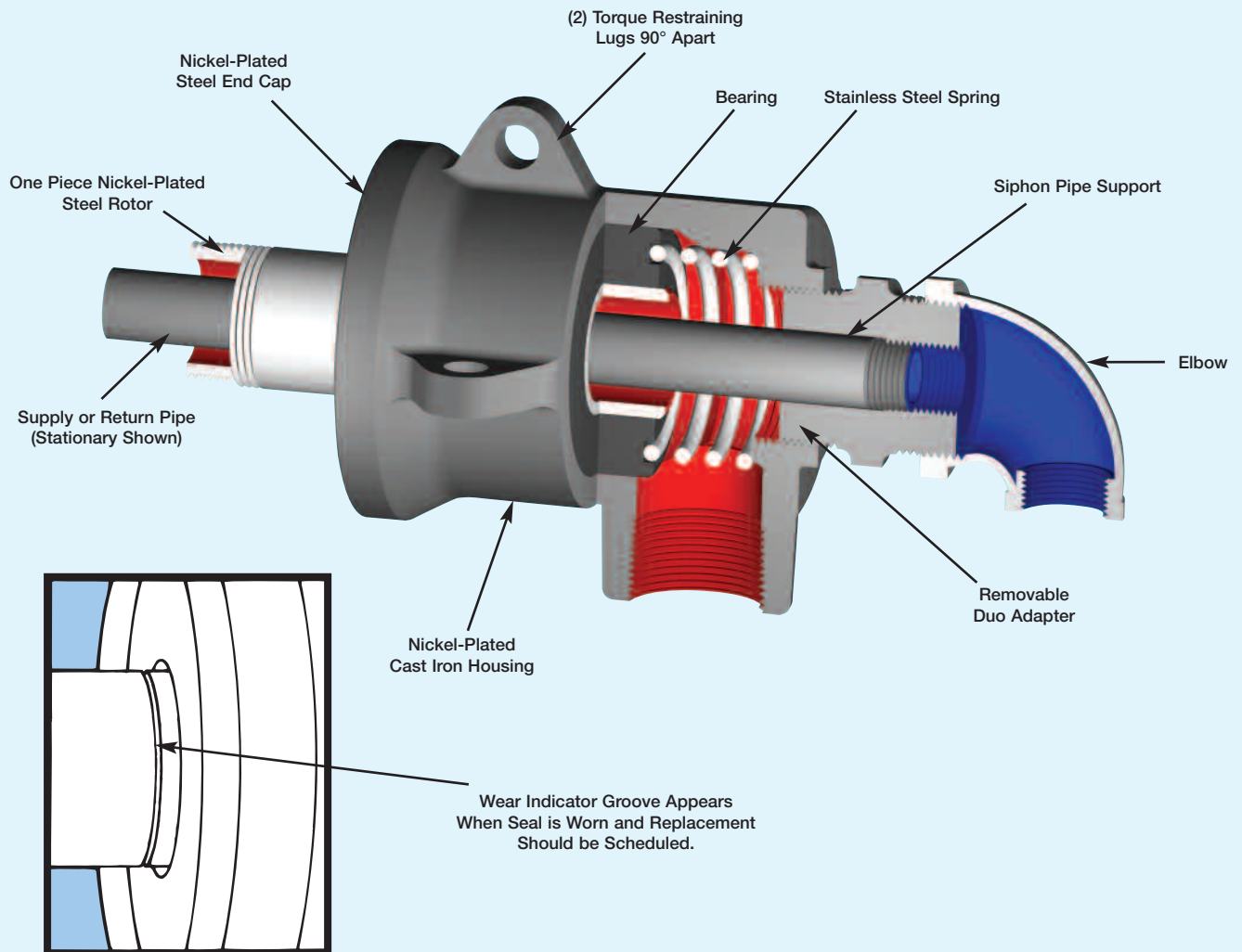


### Operating Data

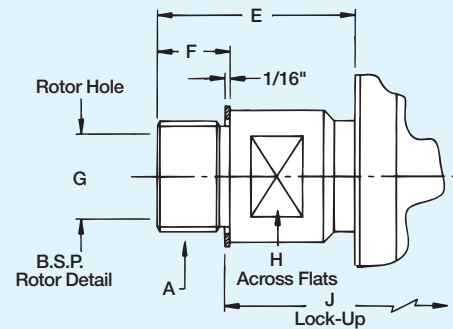
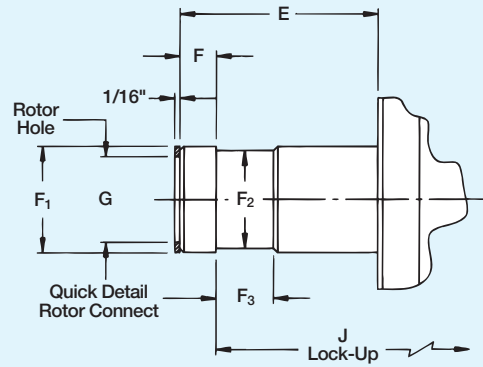
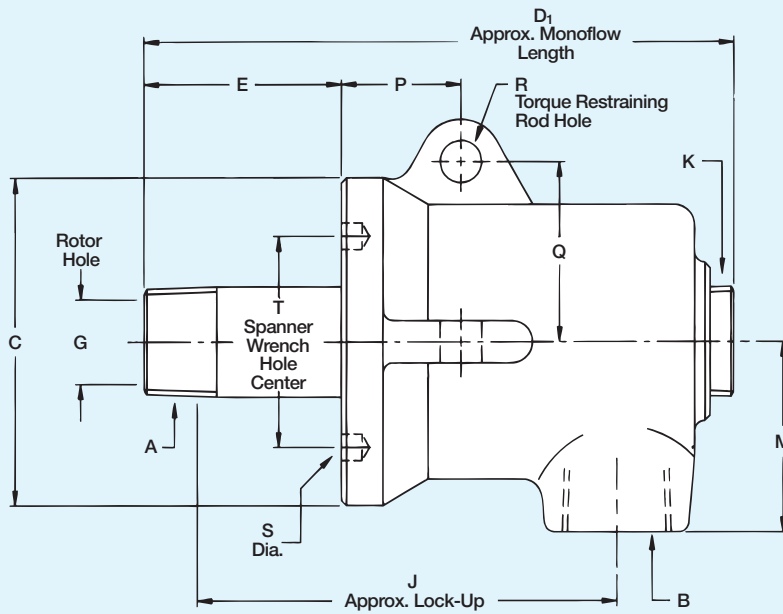
Maximum Saturated Steam Pressure <sup>①</sup>	150 PSI	10 bar
Maximum Saturated Steam Temperature	365 °F	185 °C
Maximum Hot Oil Pressure <sup>①</sup>	100 PSI	7 bar
Maximum Speed <sup>①</sup>	400 RPM	400/min

Maximum Hot Oil Temperature 450°F >450°F consult **DEUBLIN**

<sup>①</sup> Union is designed for continuous operation at either maximum speed or maximum pressure. If operating conditions are close to maximum pressure and speed simultaneously, consult **DEUBLIN**.

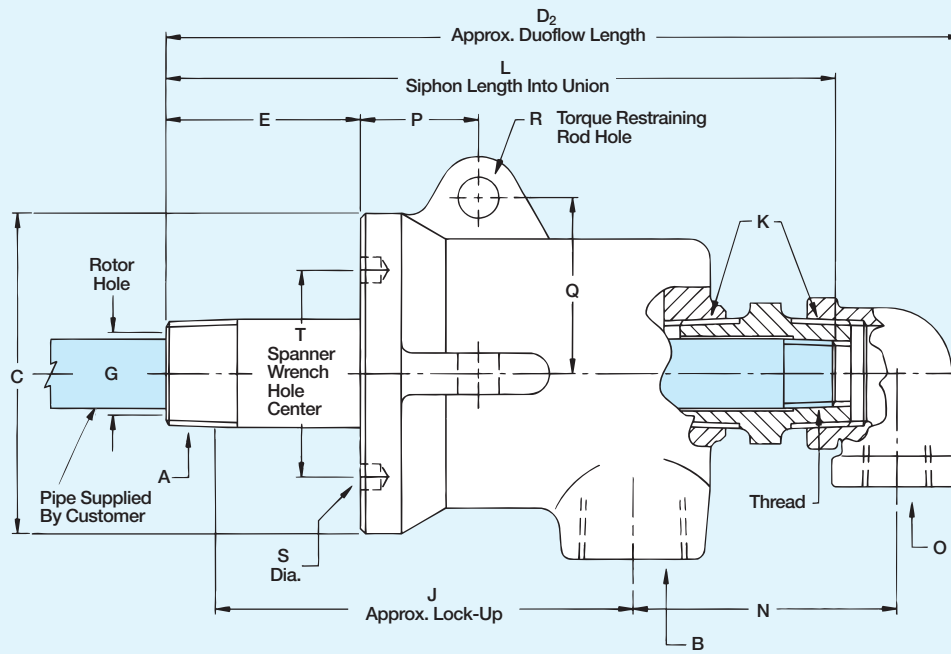


# 9000 Series Monoflow Union Specifications

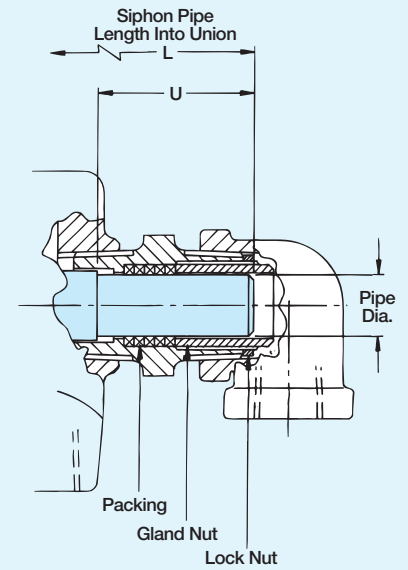


B Port	Ordering Number		A Rotor Thread	C	D <sub>1</sub>	D <sub>2</sub>	E	F	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	G	H	J	K NPT
	Steam Service	Hot Oil Service													
3/4" NPT	9075-001-106	9075-020-124	3/4" NPT RH	3 7/16"	6"	8 5/8"	1 7/8"	-	-	-	-	2 1/32"	-	4 9/16"	1"
	9075-001-107	9075-020-125	3/4" NPT LH												
	9075-001-117	9075-020-128	QUICK CONNECT												
G 3/4" (BSP)	9075-029-110	9075-030-126	G 3/4" (BSP) RH	87	153	219	48	19	-	-	-	16.6	25	108	1"
	9075-029-111	9075-030-127	G 3/4" (BSP) LH												
1" NPT	9100-001-103	9100-020-220	1" NPT RH	3 13/16"	7 1/4"	9 7/8"	2 3/8"	-	-	-	-	1"	-	5 3/8"	1"
	9100-001-109	9100-020-221	1" NPT LH												
	9100-001-121	9100-020-213	QUICK CONNECT												
G 1" (BSP)	9100-027-113	9100-045-211	G 1" (BSP) RH	97	184	251	60	22	-	-	-	25	32	128	1"
	9100-027-112	9100-045-212	G 1" (BSP) LH												
1 1/4" NPT	9125-001-109	9125-020-139	1 1/4" NPT RH	4 7/16"	8 1/8"	11 1/8"	2 1/2"	-	-	-	-	1 1/4"	-	5 7/8"	1 1/2"
	9125-001-110	9125-020-140	1 1/4" NPT LH												
	9125-001-126	9125-020-141	QUICK CONNECT												
G 1 1/4" (BSP)	9125-015-118	9125-030-137	G 1 1/4" (BSP) RH	112	206	282	64	25	-	-	-	32	38	138	1 1/2"
	9125-015-119	9125-030-138	G 1 1/4" (BSP) LH												
1 1/2" NPT	9150-001-103	9150-020-195	1 1/2" NPT RH	5 1/4"	9"	12 5/8"	2 1/2"	-	-	-	-	1 1/2"	-	6 5/8"	1 1/2"
	9150-001-104	9150-020-196	1 1/2" NPT LH												
	9150-001-117	9150-020-199	QUICK CONNECT												
G 1 1/2" (BSP)	9150-018-113	9150-031-197	G 1 1/2" (BSP) RH	133	229	320	64	28	-	-	-	38	46	154	1 1/2"
	9150-018-114	9150-031-198	G 1 1/2" (BSP) LH												
2" NPT	9200-001-102	9200-020-112	2" NPT RH	6 3/32"	10 1/16"	13 7/16"	2 5/8"	-	-	-	-	1 15/16"	-	7 5/32"	1 1/2"
	9200-001-111	9200-020-113	2" NPT LH												
	9200-001-121	9200-020-122	QUICK CONNECT												
G 2" (BSP)	9200-029-117	9200-030-119	G 2" (BSP) RH	154	255	341	67	30	-	-	-	49	60	166	1 1/2"
	9200-029-118	9200-030-120	G 2" (BSP) LH												

# 9000 Series Duoflow Union Specifications

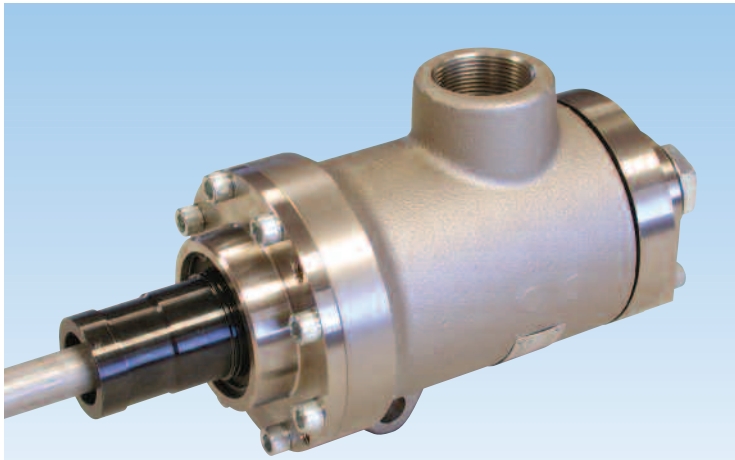


**Fixed Siphon Detail**



**Rotating Siphon Detail**

P	Q	R	S	T	Fixed Siphon			Rotating Siphon				M	N	O	Shpg. Wt.	
					Elbow Suffix	Thread	L	Elbow Suffix	Pipe Size	Pipe Dia.	U					L
1 1/2"	1 15/16"	15/32"	17/64"	2 1/4"	-400	1/4" NPT	7 1/4"	-402	1/4"	.500" / .495"	2"	7 1/4"	2"	2 3/8"	1/2" NPT	8#
1 1/2"	1 15/16"	15/32"	17/64"	2 1/4"	-400	1/4" NPT	7 1/4"	-402	1/4"	.500" / .495"	2"	7 1/4"	2"	2 3/8"	1/2" NPT	8#
38	49	12	7	57	-409	G 1/4" (BSP)	184	-417	1/4"	12.70 / 12.57	51	184	51	60	G 1/2" (BSP)	3.6 Kg
1 1/2"	2 1/8"	17/32"	5/16"	2 1/2"	-400	1/4" NPT	8"	-403	3/8"	.663" / .657"	2"	8 3/8"	2 1/4"	3 5/16"	1/2" NPT	10#
					-401	3/8" NPT										
1 1/2"	2 7/8"	17/32"	5/16"	2 1/2"	-400	1/4" NPT	8"	-403	3/8"	.663" / .657"	2"	8 3/8"	2 1/4"	3 5/16"	1/2" NPT	10#
					-401	3/8" NPT										
38	54	13.5	8	63	-409	G 1/4" (BSP)	203	-418	3/8"	16.84 / 16.68	51	213	57	84	G 1/2" (BSP)	4.5 Kg
					-408	G 3/8" (BSP)										
1 5/8"	2 3/8"	17/32"	1 1/32"	3"	-400	1/2" NPT	8 3/4"	-402	1/2"	.809" / .803"	2 3/8"	9 3/4"	3"	3 7/8"	3/4" NPT	15#
1 5/8"	2 3/8"	17/32"	1 1/32"	3"	-400	1/2" NPT	8 1/2"	-402	1/2"	.809" / .803"	2 3/8"	9 1/2"	3"	3 7/8"	3/4" NPT	15#
42	60	13.5	8.7	76	-406	G 1/2" (BSP)	222	-439	1/2"	20.54 / 20.39	60	247	76	98	G 3/4" (BSP)	6.8 Kg
					-400	1/2" NPT										
2 3/16"	2 7/8"	2 1/32"	1 1/32"	3 1/2"	-400	1/2" NPT	10 1/2"	-403	3/4"	.997" / .991"	2 1/2"	11 9/16"	3 1/2"	4 5/8"	3/4" NPT	25#
					-401	3/4" NPT										
2 3/16"	2 7/8"	2 1/32"	1 1/32"	3 1/2"	-400	1/2" NPT	10 1/2"	-403	3/4"	.997" / .991"	2 1/2"	11 11/16"	3 1/2"	4 5/8"	3/4" NPT	25#
					-401	3/4" NPT										
55	73	16.7	8.7	89	-406	G 1/2" (BSP)	266	-438	3/4"	25.32 / 25.17	63	294	89	117	G 3/4" (BSP)	11.5 Kg
					-433	G 3/4" (BSP)										
2 7/16"	3 7/16"	5/8"	-	-	-400	1/2" NPT	10 7/8"	-403	3/4"	.997" / .991"	2 1/2"	12 5/8"	3 7/16"	5"	3/4" NPT	31#
					-401	3/4" NPT										
2 7/16"	3 7/16"	5/8"	-	-	-400	1/2" NPT	11 1/4"	-403	3/4"	.997" / .991"	2 1/2"	13"	3 7/16"	5"	3/4" NPT	31#
					-401	3/4" NPT										
62	87	16	-	-	-406	G 1/2" (BSP)	276	-438	3/4"	25.32 / 25.17	63	320	87	127	G 3/4" (BSP)	14 Kg
					-433	G 3/4" (BSP)										



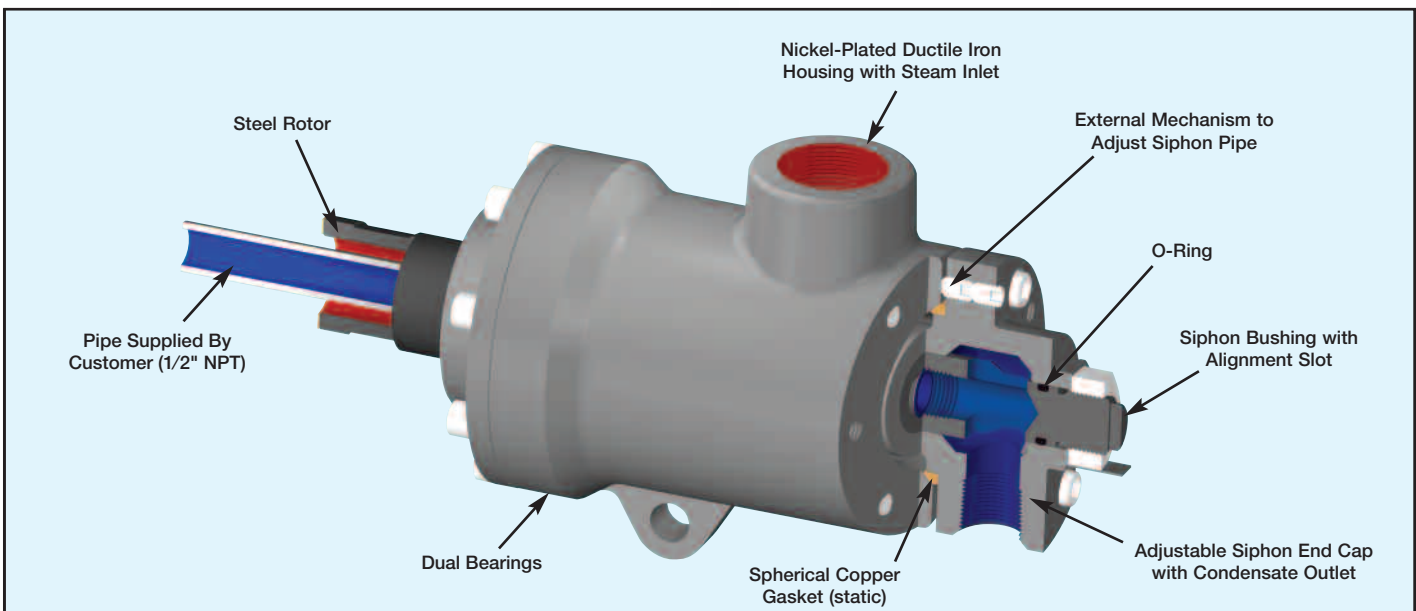
# DEUBLIN

## HPS Series for High Pressure Steam Service in Corrugators

- monoflow and duoflow design
- self-supported rotating union
- seals and bearings made of special Carbon Graphite
- convex seal ring better suited to handle mechanical and thermal shock
- external mechanism to adjust siphon pipe through end cap
- nickel-plated front and rear end cap
- nickel-plated ductile iron housing
- stainless steel spring
- heavy duty steel rotor design
- dual bearings for extended service life

### Operating Data

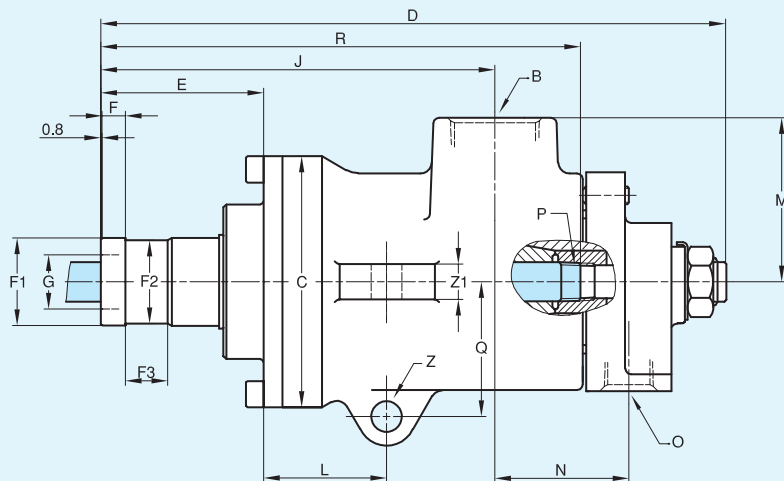
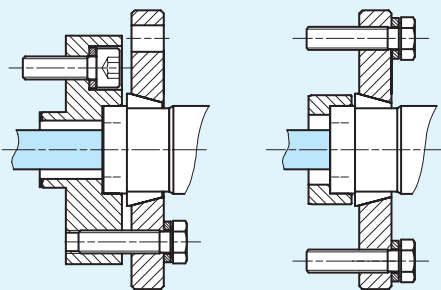
Maximum Saturated Steam Pressure	250 PSI	17 bar
Maximum Speed	400 RPM	400/min
Maximum Temperature	400°F	200°C



### Flange Adapter

1 1/4"

2"



B Port NPT	O Port NPT	Ordering No.	C Ø	D	E	F	F1 Ø	F2	F3	G Ø	J	L	M	N	P	Q	R	Z Ø	Z1	Shpg. Wt.
1 1/2"	3/4"	C15D-004-02-3A	5 3/8"	13 3/8"	3 15/32"	1/2"	1.870" 1.868"	1.779" 1.775"	29/32"	1 5/16"	8 13/32"	2 5/8"	3 1/2"	2 7/8"	1/2" NPT	2 7/8"	10 1/4"	2 1/32"	1 3/16"	37#

# DEUBLIN

## H Series Steam and Hot Oil Unions

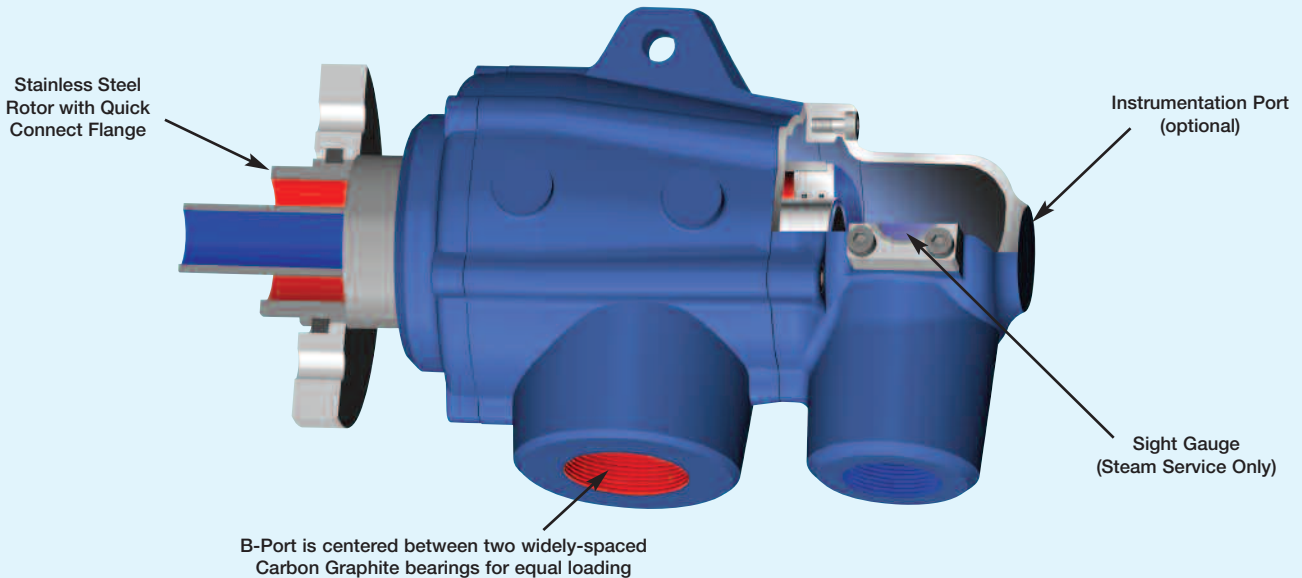
- monoflow and duoflow design
- self-supported rotating union
- convex seal ring better suited to handle mechanical and thermal shock
- two widely-spaced graphite bearings
- H57 - H127 optional with sight glasses in the end cap for visual inspection of condensate removal
- seal wear indicator allows preventive maintenance
- flanged or threaded rotor available
- cast iron housing
- stainless steel rotor
- for steam and hot oil applications in paper, plastic and textile industries and open gear paper machines

### Operating Data 3/4" – 2"

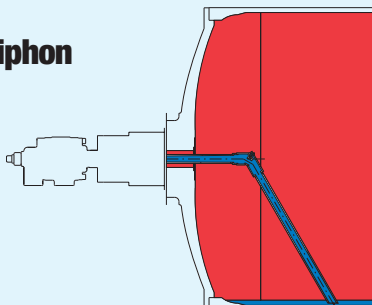
Maximum Saturated Steam Pressure	150 PSI	10 bar
Maximum Speed Saturated Steam Service	400 RPM	400/min
Maximum Saturated Steam Temperature	365°F	185°C
Maximum Hot Oil Pressure	100 PSI	7 bar
Maximum Speed Hot Oil Service	400 RPM	400/min
Maximum Hot Oil Temperature	450°F	>450°F consult <b>DEUBLIN</b>

### Operating Data 2 1/2" – 5"

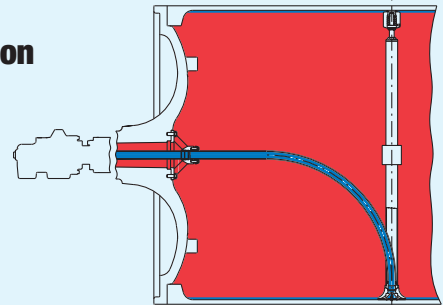
Maximum Saturated Steam Pressure	150 PSI	10 bar
Maximum Speed Saturated Steam Service	180 RPM	180/min
Maximum Saturated Steam Temperature	365°F	185°C
Maximum Hot Oil Pressure	100 PSI	7 bar
Maximum Speed Hot Oil Service	350 RPM	350/min
Maximum Hot Oil Temperature	450°F	>450°F consult <b>DEUBLIN</b>



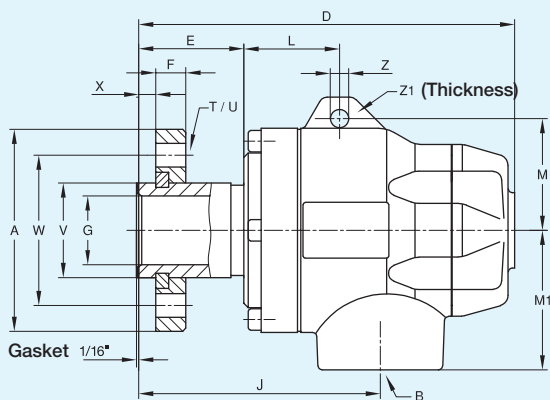
### Example for Stationary Siphon System



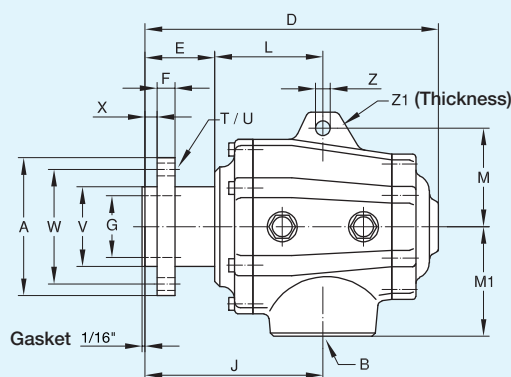
### Example for Rotating Siphon System



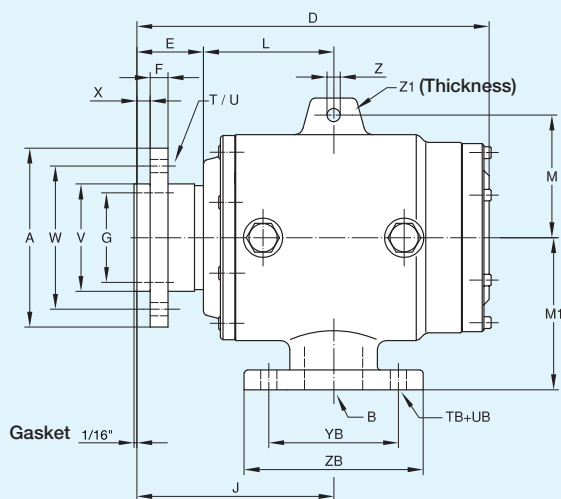
## Monoflow Rotating Union Models Size H20 – H40



## Models Size H57 – H87



## Models Size H107 and H127



## Monoflow Rotating Unions

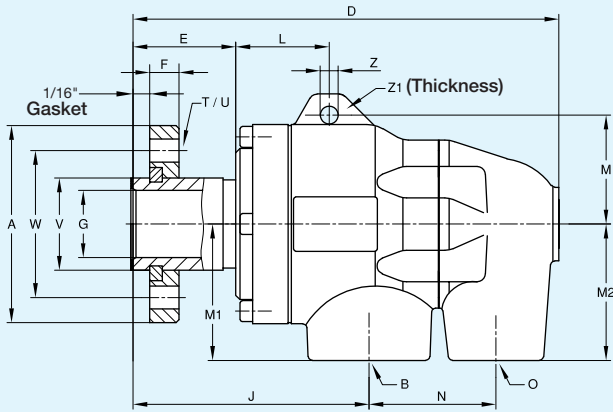
Size	B Port	Monoflow	A	D	E	F	G	J	L	M	M <sub>1</sub>
3/4"	3/4" NPT	H20	2 <sup>23</sup> / <sub>32</sub> "	5 <sup>1</sup> / <sub>2</sub> "	1 <sup>9</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>4</sub> "	2 <sup>5</sup> / <sub>16</sub> "	1 <sup>25</sup> / <sub>32</sub> "	1 <sup>31</sup> / <sub>32</sub> "
1"	1" NPT	H25	3 <sup>1</sup> / <sub>16</sub> "	6 <sup>1</sup> / <sub>2</sub> "	1 <sup>27</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>32</sub> "	3 <sup>31</sup> / <sub>32</sub> "	1 <sup>23</sup> / <sub>32</sub> "	1 <sup>31</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "
1 1/4"	1 1/4" NPT	H32	3 <sup>11</sup> / <sub>16</sub> "	6 <sup>7</sup> / <sub>8</sub> "	1 <sup>15</sup> / <sub>16</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	4 <sup>7</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "
1 1/2"	1 1/2" NPT	H40	3 <sup>29</sup> / <sub>32</sub> "	8 <sup>1</sup> / <sub>32</sub> "	2 <sup>13</sup> / <sub>32</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>2</sub> "	5 <sup>3</sup> / <sub>8</sub> "	2"	2 <sup>3</sup> / <sub>4</sub> "	2 <sup>15</sup> / <sub>16</sub> "
2"	2" NPT	H57	4 <sup>3</sup> / <sub>16</sub> "	10 <sup>5</sup> / <sub>32</sub> "	2 <sup>13</sup> / <sub>32</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>27</sup> / <sub>32</sub> "	5 <sup>15</sup> / <sub>16</sub> "	3 <sup>17</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>4</sub> "
2 1/2"	2 1/2" NPT	H67	5 <sup>1</sup> / <sub>16</sub> "	11 <sup>13</sup> / <sub>16</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>16</sub> "	7 <sup>1</sup> / <sub>32</sub> "	4 <sup>9</sup> / <sub>32</sub> "	3 <sup>29</sup> / <sub>32</sub> "	4 <sup>1</sup> / <sub>32</sub> "
3"	3" NPT	H87	5 <sup>29</sup> / <sub>32</sub> "	12 <sup>27</sup> / <sub>32</sub> "	2 <sup>21</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>32</sub> "	3"	7 <sup>13</sup> / <sub>32</sub> "	4 <sup>23</sup> / <sub>32</sub> "	4 <sup>17</sup> / <sub>32</sub> "	4 <sup>23</sup> / <sub>32</sub> "
4"	4" ANSI	H107	7 <sup>7</sup> / <sub>8</sub> "	15 <sup>1</sup> / <sub>2</sub> "	3"	2 <sup>5</sup> / <sub>32</sub> "	3 <sup>15</sup> / <sub>16</sub> "	8 <sup>21</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	6 <sup>1</sup> / <sub>16</sub> "
5"	5" ANSI	H127	11 <sup>1</sup> / <sub>32</sub> "	18 <sup>5</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>16</sub> "	4 <sup>15</sup> / <sub>16</sub> "	10 <sup>13</sup> / <sub>16</sub> "	7 <sup>15</sup> / <sub>32</sub> "	6 <sup>7</sup> / <sub>32</sub> "	8 <sup>21</sup> / <sub>32</sub> "

## Duoflow Rotating Unions

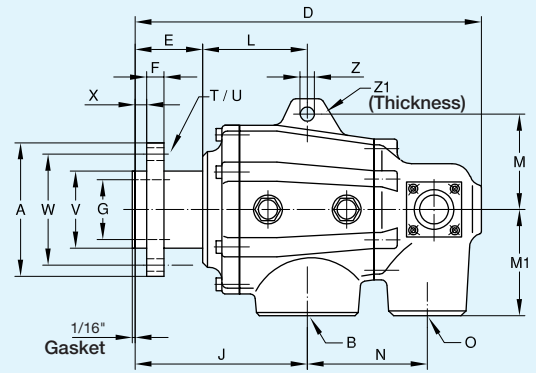
Size	B Port	O Port	Duoflow E-R-S	A	D	E	F	G	J	L	M	M <sub>1</sub>	M <sub>2</sub>	N
3/4"	3/4" NPT	1/2" NPT	H20	2 <sup>23</sup> / <sub>32</sub> "	7 <sup>11</sup> / <sub>16</sub> "	1 <sup>9</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>4</sub> "	2 <sup>5</sup> / <sub>16</sub> "	1 <sup>25</sup> / <sub>32</sub> "	1 <sup>31</sup> / <sub>32</sub> "	1 <sup>3</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>8</sub> "
1"	1" NPT	1/2" NPT	H25	3 <sup>1</sup> / <sub>16</sub> "	8 <sup>21</sup> / <sub>32</sub> "	1 <sup>27</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>32</sub> "	3 <sup>31</sup> / <sub>32</sub> "	1 <sup>23</sup> / <sub>32</sub> "	1 <sup>31</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>16</sub> "	4 <sup>3</sup> / <sub>32</sub> "
1 1/4"	1 1/4" NPT	3/4" NPT	H32	3 <sup>11</sup> / <sub>16</sub> "	8"	1 <sup>15</sup> / <sub>16</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	4 <sup>7</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	2 <sup>3</sup> / <sub>8</sub> "
1 1/2"	1 1/2" NPT	1" NPT	H40	3 <sup>29</sup> / <sub>32</sub> "	9 <sup>21</sup> / <sub>32</sub> "	2 <sup>13</sup> / <sub>32</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>2</sub> "	5 <sup>3</sup> / <sub>8</sub> "	2"	2 <sup>3</sup> / <sub>4</sub> "	2 <sup>15</sup> / <sub>16</sub> "	2 <sup>15</sup> / <sub>16</sub> "	2 <sup>15</sup> / <sub>16</sub> "
2"	1 1/2" NPT	1 1/4" NPT	H57	4 <sup>3</sup> / <sub>16</sub> "	11 <sup>15</sup> / <sub>16</sub> "	2 <sup>13</sup> / <sub>32</sub> "	9 <sup>1</sup> / <sub>16</sub> "	1 <sup>27</sup> / <sub>32</sub> "	5 <sup>15</sup> / <sub>16</sub> "	3 <sup>17</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>32</sub> "	3 <sup>3</sup> / <sub>4</sub> "	3 <sup>3</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>16</sub> "
2 1/2"	2" NPT	1 1/2" NPT	H67	5 <sup>1</sup> / <sub>16</sub> "	14 <sup>1</sup> / <sub>8</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>16</sub> "	7 <sup>1</sup> / <sub>32</sub> "	4 <sup>9</sup> / <sub>32</sub> "	3 <sup>29</sup> / <sub>32</sub> "	4 <sup>1</sup> / <sub>32</sub> "	4 <sup>11</sup> / <sub>32</sub> "	4 <sup>29</sup> / <sub>32</sub> "
3"	2 1/2" NPT	2" NPT	H87	5 <sup>29</sup> / <sub>32</sub> "	15 <sup>15</sup> / <sub>32</sub> "	2 <sup>21</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>32</sub> "	3"	7 <sup>13</sup> / <sub>32</sub> "	4 <sup>23</sup> / <sub>32</sub> "	4 <sup>17</sup> / <sub>32</sub> "	4 <sup>23</sup> / <sub>32</sub> "	4 <sup>23</sup> / <sub>32</sub> "	5 <sup>7</sup> / <sub>8</sub> "
4"	3" ANSI	2 1/2" ANSI	H107	7 <sup>7</sup> / <sub>8</sub> "	22 <sup>1</sup> / <sub>32</sub> "	3"	2 <sup>5</sup> / <sub>32</sub> "	3 <sup>15</sup> / <sub>16</sub> "	8 <sup>21</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	6 <sup>1</sup> / <sub>16</sub> "	6 <sup>11</sup> / <sub>16</sub> "	9 <sup>7</sup> / <sub>8</sub> "
	2 1/2" ANSI	2 1/2" ANSI	H107 <sup>①</sup>	7 <sup>7</sup> / <sub>8</sub> "	22 <sup>1</sup> / <sub>32</sub> "	3"	2 <sup>5</sup> / <sub>32</sub> "	3 <sup>15</sup> / <sub>16</sub> "	8 <sup>21</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	5 <sup>13</sup> / <sub>32</sub> "	6 <sup>1</sup> / <sub>16</sub> "	6 <sup>11</sup> / <sub>16</sub> "	9 <sup>7</sup> / <sub>8</sub> "
5"	4" ANSI	2 1/2" ANSI	H127	11 <sup>1</sup> / <sub>32</sub> "	24 <sup>1</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>16</sub> "	4 <sup>15</sup> / <sub>16</sub> "	10 <sup>13</sup> / <sub>16</sub> "	7 <sup>15</sup> / <sub>32</sub> "	6 <sup>7</sup> / <sub>32</sub> "	8 <sup>21</sup> / <sub>32</sub> "	8 <sup>21</sup> / <sub>32</sub> "	9 <sup>27</sup> / <sub>32</sub> "
	3" ANSI	3" ANSI	H127 <sup>①</sup>	11 <sup>1</sup> / <sub>32</sub> "	24 <sup>19</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>16</sub> "	4 <sup>15</sup> / <sub>16</sub> "	10 <sup>13</sup> / <sub>16</sub> "	7 <sup>15</sup> / <sub>32</sub> "	6 <sup>7</sup> / <sub>32</sub> "	8 <sup>21</sup> / <sub>32</sub> "	8 <sup>21</sup> / <sub>32</sub> "	9 <sup>27</sup> / <sub>32</sub> "

<sup>①</sup> Hot Oil Design

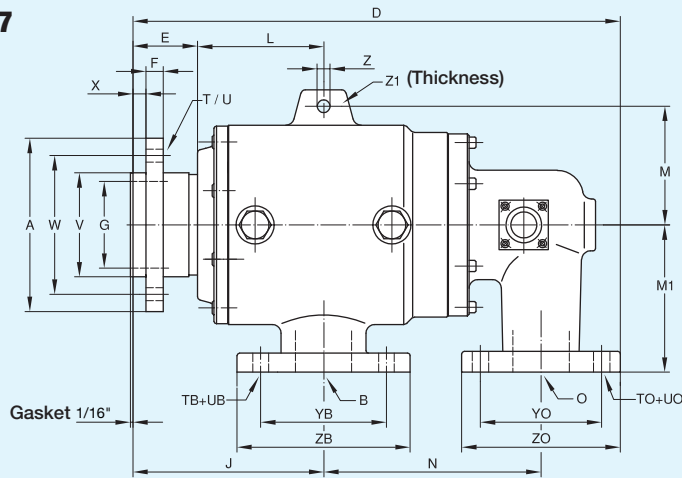
## Duoflow Rotating Union Models Size H20 – H40



## Models Size H57 – H87



## Models Size H107 and H127



T	U	TB	UB	V <sup>②</sup>	W	X	YB	ZB	Z	Z1	Size
4 x 90°	3/8"	–	–	1.181	1 31/32"	1/4"	–	–	9/32"	5/16"	3/4"
4 x 90°	3/8"	–	–	1.417	2 3/8"	9/32"	–	–	9/32"	7/16"	1"
4 x 90°	7/16"	–	–	1.732	2 3/4"	5/16"	–	–	11/32"	5/16"	1 1/4"
4 x 90°	7/16"	–	–	2.047	3 1/16"	13/32"	–	–	7/16"	13/32"	1 1/2"
4 x 90°	7/16"	–	–	2.559	3 3/4"	13/32"	–	–	1/2"	19/32"	2"
4 x 90°	1/2"	–	–	3.149	4 11/32"	15/32"	–	–	19/32"	25/32"	2 1/2"
4 x 90°	1/2"	–	–	3.740	4 15/16"	15/32"	–	–	19/32"	1"	3"
6 x 60°	19/32"	8 x 45°	3/4"	4.724	6 5/16"	19/32"	7 1/2"	8 21/32"	19/32"	1"	4"
6 x 60°	23/32"	8 x 45°	7/8"	6.299	8 7/32"	19/32"	8 1/2"	9 27/32"	19/32"	1"	5"

T	U	TB	UB	TO	UO	V <sup>②</sup>	W	X	YB	ZB	YO	ZO	Z	Z1	Size
4 x 90°	3/8"	–	–	–	–	1.181	1 31/32"	1/4"	–	–	–	–	9/32"	5/16"	3/4"
4 x 90°	3/8"	–	–	–	–	1.417	2 3/8"	9/32"	–	–	–	–	9/32"	7/16"	1"
4 x 90°	7/16"	–	–	–	–	1.732	2 3/4"	5/16"	–	–	–	–	11/32"	5/16"	1 1/4"
4 x 90°	7/16"	–	–	–	–	2.047	3 1/16"	13/32"	–	–	–	–	7/16"	13/32"	1 1/2"
4 x 90°	7/16"	–	–	–	–	2.559	3 3/4"	13/32"	–	–	–	–	1/2"	19/32"	2"
4 x 90°	1/2"	–	–	–	–	3.149	4 11/32"	15/32"	–	–	–	–	19/32"	25/32"	2 1/2"
4 x 90°	1/2"	–	–	–	–	3.740	4 15/16"	15/32"	–	–	–	–	19/32"	1"	3"
6 x 60°	19/32"	4 x 90°	3/4"	4 x 90°	3/4"	4.724	6 5/16"	19/32"	6"	7 7/8"	5 1/2"	7 9/32"	19/32"	1"	4"
6 x 60°	19/32"	4 x 90°	3/4"	4 x 90°	3/4"	4.724	6 5/16"	19/32"	5 1/2"	7 9/32"	5 1/2"	7 9/32"	19/32"	1"	
6 x 60°	23/32"	8 x 45°	3/4"	4 x 90°	3/4"	6.299	8 7/32"	19/32"	7 1/2"	8 27/32"	5 1/2"	7 9/32"	19/32"	1"	5"
6 x 60°	23/32"	4 x 90°	3/4"	4 x 90°	3/4"	6.299	8 7/32"	19/32"	6"	7 7/8"	6"	7 7/8"	19/32"	1"	

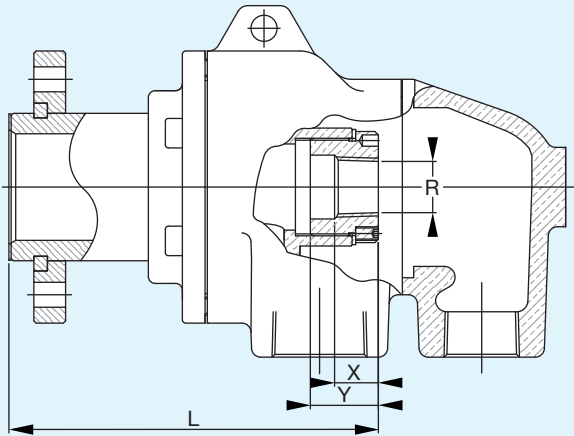
② Tolerance +.000 to -.003 depending on size.



## Duoflow Central Pipe Specifications

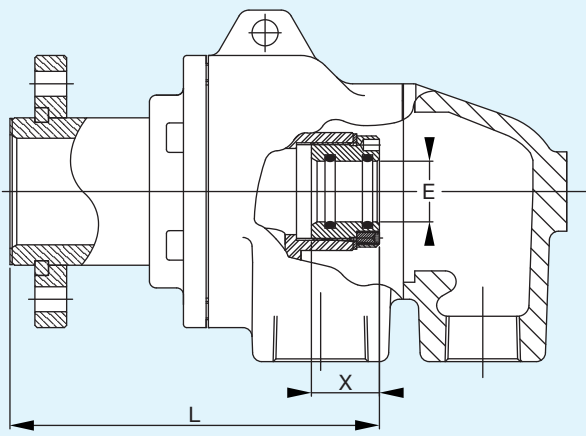
### Rotating Central Pipe

**R** For rotating siphon (steam inlet pipe); the inner pipe is connected by means of a threaded bushing that screws into the rotor.



### Rotating Central Pipe Axial Movement

**E** For a rotating siphon capable of axial movement; a sliding connection is made between the bushing and the central pipe to allow for the thermal expansion of the central pipe.

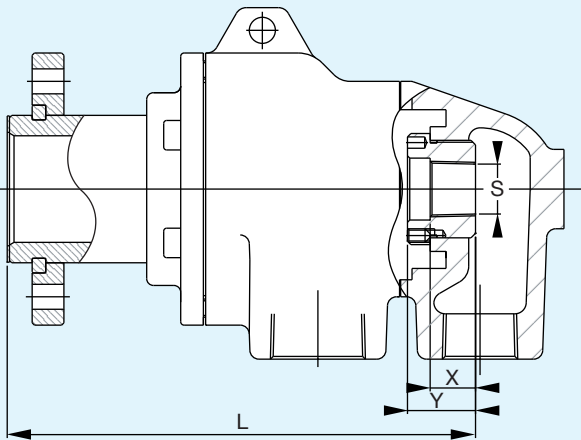


Model	L	X	Y	Optional Pipe Sizes "R"
H20	4 <sup>19</sup> / <sub>32</sub> "	19 <sup>1</sup> / <sub>32</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1/8" - 1/4" NPT
H25	5 <sup>1</sup> / <sub>4</sub> "	19 <sup>1</sup> / <sub>32</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1/4" - 3/8" NPT
H32	5 <sup>25</sup> / <sub>32</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1"	3/8" - 1/2" NPT
H40	6 <sup>7</sup> / <sub>8</sub> "	1"	1 <sup>1</sup> / <sub>16</sub> "	1/2" - 1" NPT
H57	9 <sup>3</sup> / <sub>16</sub> "	1"	1 <sup>3</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>4</sub> " NPT
H67	10 <sup>3</sup> / <sub>4</sub> "	1"	1 <sup>3</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>2</sub> " NPT
H87	11 <sup>13</sup> / <sub>16</sub> "	1"	1 <sup>3</sup> / <sub>16</sub> "	1" - 2" NPT
H107	14 <sup>3</sup> / <sub>4</sub> "	1 <sup>25</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1" - 3" NPT
H127	18 <sup>1</sup> / <sub>8</sub> "	1 <sup>25</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> " - 4" NPT

Model	L	X	Optional Pipe Sizes "E"
H20	4 <sup>19</sup> / <sub>32</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1/8" - 1/4"
H25	5 <sup>1</sup> / <sub>4</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1/4" - 3/8"
H32	5 <sup>25</sup> / <sub>32</sub> "	1"	3/8" - 1/2"
H40	6 <sup>7</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1/2" - 1"
H57	9 <sup>3</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>4</sub> "
H67	10 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>2</sub> "
H87	11 <sup>13</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1" - 2"
H107	14 <sup>3</sup> / <sub>4</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1" - 3"
H127	18 <sup>1</sup> / <sub>8</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> " - 4"

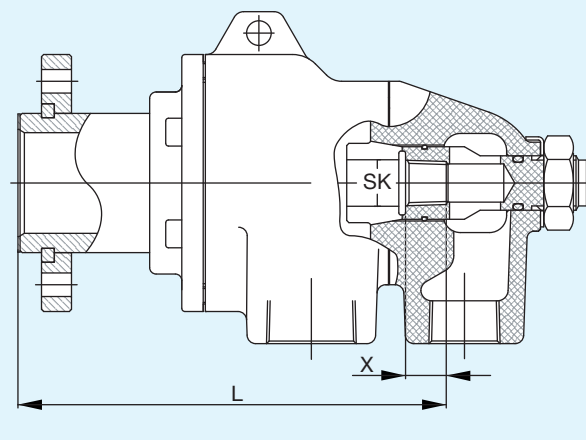
### Stationary Central Pipe

**S** For fixed siphons; the pipe is connected by means of a threaded bushing that screws into the end cap.



### Stationary Central Pipe

**SK** For stationary fixed siphons; the central pipe is supported in the end cap and connected by means of an external bolt to the end cap.



Model	L	X	Y	Optional Pipe Sizes "S"
H20	5 <sup>13</sup> / <sub>32</sub> "	7 <sup>1</sup> / <sub>16</sub> "	5/8"	1/8" - 1/4" NPT
H25	6 <sup>7</sup> / <sub>16</sub> "	7 <sup>1</sup> / <sub>16</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1/4" - 3/8" NPT
H32	6 <sup>25</sup> / <sub>32</sub> "	19 <sup>1</sup> / <sub>32</sub> "	1"	3/8" - 1/2" NPT
H40	8 <sup>1</sup> / <sub>8</sub> "	25 <sup>1</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>16</sub> "	1/2" - 1" NPT
H57	9 <sup>7</sup> / <sub>16</sub> "	1"	1 <sup>9</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>4</sub> " NPT
H67	11 <sup>15</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1 <sup>9</sup> / <sub>16</sub> "	1/2" - 1 <sup>1</sup> / <sub>2</sub> " NPT
H87	13"	1 <sup>3</sup> / <sub>16</sub> "	1 <sup>31</sup> / <sub>32</sub> "	1" - 2" NPT
H107	-	-	-	-
H127	-	-	-	-

Model	L	X	Optional Pipe Sizes "SK"
H57	8 <sup>31</sup> / <sub>32</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1/2" - 3/4"
H67	10 <sup>7</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	3/4" - 1"
H87	11 <sup>19</sup> / <sub>32</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1 - 1 <sup>1</sup> / <sub>4</sub> "
H107	14 <sup>3</sup> / <sub>4</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1" - 1 <sup>1</sup> / <sub>4</sub> "
H127	18 <sup>1</sup> / <sub>8</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> " - 1 <sup>1</sup> / <sub>2</sub> "

Adjustable Siphons Available  
Consult **DEUBLIN**