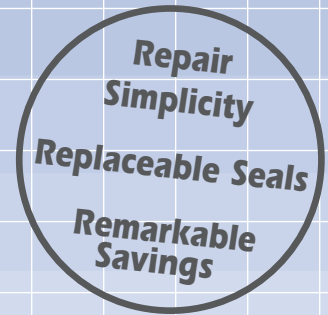


BARCO SERIES **E-75 RS PLUS**

Water Rotary Unions



Special Design Features

- **Dry run capability.**
- **Silicon carbide to carbon graphite mechanical seals.**
- **For abrasive applications, the E-75 RSX with silicon carbide to siliconized graphite mechanical seals is available.**
- **Available in Mono-Flow and Duo-Flow configurations.**
- **Seals are user replaceable.**
- **Sizes from 3/8" to 2".**
- **Available in U.S. and metric thread specifications.**



The Barco E-75 RS *Plus!* Rotary Union incorporates state-of-the-art sealing technology for use on water applications. This product is primarily used in the printing, paper, rubber, plastics and steel processing industries.

Operating Data	
Max. Pressure	150 PSI 10.3 BAR
Temperature	300°F 149°C
<i>For higher temperature fluids, contact Barco Engineering.</i>	
Max. Speed	
3/8" - 3,500 RPM	1 1/4" - 2,500 RPM
1/2" - 3,500 RPM	1 1/2" - 2,500 RPM
3/4" - 3,500 RPM	2" - 750 RPM
1" - 3,000 RPM	

Mono-Flow Unions

E-75 RS Silicon carbide to carbon graphite mechanical seals.

Union Size	E-75 RS Part Number	Thread "A"	B	ØC	D	E	ØF	L	"P" NPT	"R" NPT
3/8"	BC-32000-06-01	5/8" - 18 UNF (R.H.)	.50"	.38"	3.30"	.91"	1.81"	3.98"	3/8"	1/4"
	BC-32001-06-01	5/8" - 18 UNF (L.H.)	(12.7)	(9.6)	(84)	(23)	(46)	(101)		
	BC-32002-06-01	3/8" - 18 NPT (R.H.)	.56"	.38"	3.30"	.91"	1.81"	3.98"		
	BC-32003-06-01	3/8" - 18 NPT (L.H.)	(14.2)	(9.6)	(84)	(23)	(46)	(101)		
	BC-32100-06-01	G 3/8" BSPP (R.H.)	.56"	.38"	3.30"	.91"	1.81"	3.98"		
	BC-32101-06-01	G 3/8" BSPP (L.H.)	(14.2)	(9.6)	(84)	(23)	(46)	(101)		
1/2"	BC-32000-08-01	3/4" - 16 UNF (R.H.)	.69"	.50"	3.90"	1.12"	2.23"	4.69"	1/2"	3/8"
	BC-32001-08-01	3/4" - 16 UNF (L.H.)	(17.5)	(12.7)	(99)	(28)	(57)	(119)		
	BC-32002-08-01	1/2" NPT (R.H.)	1.00"	.50"	4.19"	1.12"	2.23"	4.98"		
	BC-32003-08-01	1/2" NPT (L.H.)	(25.4)	(12.7)	(106)	(28)	(57)	(126)		
	BC-32100-08-01	G 1/2" BSPP (R.H.)	.75"	.50"	3.96"	1.12"	2.23"	4.75"		
	BC-32101-08-01	G 1/2" BSPP (L.H.)	(19.1)	(12.7)	(101)	(28)	(57)	(121)		
	BC-32162-08-01	M22 X 1.5 (R.H.)	.62"	.50"	3.83"	1.12"	2.23"	4.62"		
BC-32163-08-01	M22 X 1.5 (L.H.)	(15.7)	(12.7)	(97)	(28)	(57)	(117)			
3/4"	BC-32000-12-01	1" - 14 UNS (R.H.)	.69"	.66"	4.44"	1.27"	2.60"	5.44"	3/4"	1/2"
	BC-32001-12-01	1" - 14 UNS (L.H.)	(17.5)	(16.7)	(113)	(32)	(66)	(138)		
	BC-32002-12-01	3/4" NPT (R.H.)	1.00"	.66"	4.75"	1.27"	2.60"	5.75"		
	BC-32003-12-01	3/4" NPT (L.H.)	(25.4)	(16.7)	(121)	(32)	(66)	(146)		
	BC-32100-12-01	G 3/4" BSPP (R.H.)	.75"	.66"	4.50"	1.27"	2.60"	5.50"		
	BC-32101-12-01	G 3/4" BSPP (L.H.)	(19.1)	(16.7)	(114)	(32)	(66)	(140)		
	BC-32162-12-01	M35 X 1.5 (R.H.)	.62"	.66"	5.01"	1.27"	2.60"	6.01"		
BC-32163-12-01	M35 X 1.5 (L.H.)	(15.7)	(16.7)	(127)	(32)	(66)	(152)			
1"	BC-32025-16-01	1" NPT (R.H.)	1.12"	1.00"	5.46"	1.60"	3.25"	6.87"	1"	3/4"
	BC-32026-16-01	1" NPT (L.H.)	(28.4)	(25.4)	(139)	(41)	(82)	(174)		
	BC-32034-16-01	1 1/2" - 12 UNF (R.H.)	1.12"	1.00"	5.46"	1.60"	3.25"	6.87"		
	BC-32035-16-01	1 1/2" - 12 UNF (L.H.)	(28.4)	(25.4)	(139)	(41)	(82)	(174)		
	BC-32100-16-01	G 1" BSPP (R.H.)	.87"	.88"	5.46"	1.60"	3.25"	6.87"		
	BC-32101-16-01	G 1" BSPP (L.H.)	(22.1)	(22)	(139)	(41)	(82)	(174)		
	BC-32162-16-01	M35 X 1.5 (R.H.)	1.12"	1.00"	5.46"	1.60"	3.25"	6.87"		
	BC-32163-16-01	M35 X 1.5 (L.H.)	(28.4)	(25.4)	(139)	(41)	(82)	(174)		
1 1/4"	BC-32000-20-01	1 3/4" - 12 UN (R.H.)	1.13"	1.25"	6.01"	1.76"	3.56"	7.67"	1 1/4"	1"
	BC-32001-20-01	1 3/4" - 12 UN (L.H.)	(28.7)	(31.7)	(153)	(45)	(90)	(195)		
	BC-32002-20-01	1 1/4" NPT (R.H.)	1.13"	1.25"	6.01"	1.76"	3.56"	7.67"		
	BC-32003-20-01	1 1/4" NPT (L.H.)	(28.7)	(31.7)	(153)	(45)	(90)	(195)		
	BC-32100-20-01	G 1 1/4" BSPP (R.H.)	1.13"	1.25"	6.01"	1.76"	3.56"	7.67"		
	BC-32101-20-01	G 1 1/4" BSPP (L.H.)	(28.7)	(31.7)	(153)	(45)	(90)	(195)		
1 1/2"	BC-32000-24-01	2" - 12 UN (R.H.)	1.06"	1.50"	6.48"	1.82"	3.64"	8.01"	1 1/2"	1 1/4"
	BC-32001-24-01	2" - 12 UN (L.H.)	(26.9)	(38.1)	(164)	(46)	(92)	(203)		
	BC-32002-24-01	1 1/2" NPT (R.H.)	1.13"	1.50"	6.54"	1.82"	3.64"	8.07"		
	BC-32003-24-01	1 1/2" NPT (L.H.)	(28.7)	(38.1)	(166)	(46)	(92)	(205)		
	BC-32100-24-01	G 1 1/2" BSPP (R.H.)	1.14"	1.38"	6.48"	1.82"	3.64"	8.01"		
	BC-32101-24-01	G 1 1/2" BSPP (L.H.)	(28.9)	(35.1)	(164)	(46)	(92)	(203)		
	BC-32172-24-01	M50 X 1.5 (R.H.)	.87"	1.50"	6.45"	1.82"	3.64"	7.96"		
BC-32173-24-01	M50 X 1.5 (L.H.)	(22.1)	(38.1)	(163)	(46)	(92)	(202)			
2"	BC-32002-32-01	2" NPT (R.H.)	1.19"	1.75"	7.66"	2.09"	4.04"	10.09"	2"	1 1/4"
	BC-32003-32-01	2" NPT (L.H.)	(30.2)	(44.4)	(195)	(53)	(103)	(256)		

Special threads available. Contact Barco.

Duo-Flow NPT Stationary Syphon Unions

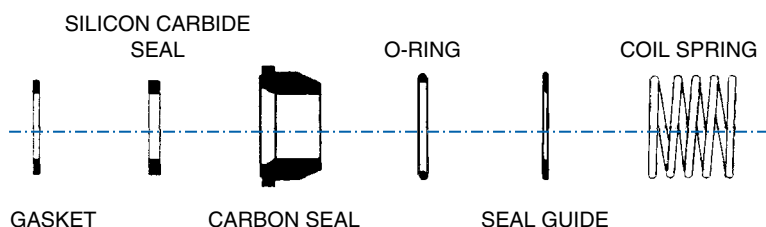
Elbows designed for maximum flow rate.

Several duo-flow elbow options are available. Refer to Bulletin INS 3100, or contact Barco for more information.

Union Size	E-75 RS Part Number	Thread "A"	B	ØC	D	E	ØF	G Approx.	"P" NPT	"S" NPT	"T" NPT	"Y" Pipe Length Into Union
1/2"	BC-32004-08-01	3/4" - 16 UNF (R.H.)	.69"	.50"	3.90"	1.12"	2.23"	5.34"	1/2"	3/8"	1/8"	4.69"
	BC-32005-08-01	3/4" - 16 UNF (L.H.)	(17.5)	(12.7)	(99)	(28)	(57)	(136)				(119)
	BC-32006-08-01	1/2" NPT (R.H.)	1.00"	.50"	4.19"	1.12"	2.23"	5.57"				4.84"
	BC-32007-08-01	1/2" NPT (L.H.)	(25.4)	(12.7)	(106)	(28)	(57)	(141)				(123)
	BC-32098-08-01	G 1/2" BSPP (R.H.)	.75"	.50"	3.96"	1.12"	2.23"	5.40"				4.75"
BC-32099-08-01	G 1/2" BSPP (L.H.)	(19.1)	(12.7)	(101)	(28)	(57)	(137)	(121)				
3/4"	BC-32004-12-01	1" - 14 UNS (R.H.)	.69"	.66"	4.44"	1.27"	2.60"	6.29"	3/4"	1/2"	1/4"	5.30"
	BC-32005-12-01	1" - 14 UNS (L.H.)	(17.5)	(16.7)	(113)	(32)	(66)	(160)				(135)
	BC-32006-12-01	3/4" NPT (R.H.)	1.00"	.66"	4.75"	1.27"	2.60"	6.60"				5.61"
	BC-32007-12-01	3/4" NPT (L.H.)	(25.4)	(16.7)	(121)	(32)	(66)	(168)				(142)
	BC-32098-12-01	G 3/4" BSPP (R.H.)	.75"	.66"	4.50"	1.27"	2.60"	6.35"				5.36"
BC-32099-12-01	G 3/4" BSPP (L.H.)	(19.1)	(16.7)	(114)	(32)	(66)	(161)	(136)				
1"	BC-32032-16-01	1 1/2" - 12 UNF (R.H.)	1.12"	1.00"	5.46"	1.60"	3.25"	7.94"	1"	1/2"	3/8"	6.72"
	BC-32033-16-01	1 1/2" - 12 UNF (L.H.)	(28.4)	(25.4)	(139)	(41)	(82)	(202)				(171)
	BC-32027-16-01	1" NPT (R.H.)	1.12"	1.00"	5.46"	1.60"	3.25"	7.94"				6.72"
	BC-32028-16-01	1" NPT (L.H.)	(28.4)	(25.4)	(139)	(41)	(82)	(202)				(171)
	BC-32098-16-01	1" BSPP (R.H.)	.87"	1.00"	5.46"	1.60"	3.25"	7.94"				6.72"
BC-32099-16-01	1" BSPP (L.H.)	(22.1)	(25.4)	(139)	(41)	(82)	(202)	(171)				
1 1/4"	BC-32411-20-01	1 3/4" - 12 UN (R.H.)	1.13"	1.25"	6.00"	1.78"	3.56"	8.89"	1 1/4"	3/4"	1/2"	7.54"
	BC-32412-20-01	1 3/4" - 12 UN (L.H.)	(28.7)	(31.7)	(152)	(45)	(90)	(226)				(192)
	BC-32008-20-01	1 1/4" NPT (R.H.)	1.13"	1.25"	6.00"	1.78"	3.56"	8.88"				7.54"
	BC-32009-20-01	1 1/4" NPT (L.H.)	(28.7)	(31.7)	(152)	(45)	(90)	(225)				(192)
	BC-32496-20-01	G 1 1/4" BSPP (R.H.)	1.13"	1.25"	6.00"	1.78"	3.56"	8.88"				7.54"
BC-32497-20-01	G 1 1/4" BSPP (L.H.)	(28.7)	(31.7)	(152)	(45)	(90)	(225)	(192)				
1 1/2"	BC-32004-24-01	2" - 12 UN (R.H.)	1.06"	1.50"	6.48"	1.82"	3.64"	9.66"	1 1/2"	1"	3/4"	7.96"
	BC-32005-24-01	2" - 12 UN (L.H.)	(26.9)	(38.1)	(164)	(46)	(92)	(245)				(202)
	BC-32006-24-01	1 1/2" NPT (R.H.)	1.13"	1.50"	6.54"	1.82"	3.64"	9.72"				8.02"
	BC-32007-24-01	1 1/2" NPT (L.H.)	(28.7)	(38.1)	(166)	(46)	(92)	(247)				(204)
	BC-32098-24-01	G 1 1/2" BSPP (R.H.)	1.14"	1.38"	6.48"	1.82"	3.64"	9.66"				7.96"
BC-32099-24-01	G 1 1/2" BSPP (L.H.)	(28.9)	(35.1)	(164)	(46)	(92)	(245)	(202)				
2"	BC-32006-32-01	2" NPT (R.H.)	1.19"	1.75"	7.66"	2.31"	4.04"	11.52"	2"	1"	1"	9.98"
	BC-32007-32-01	2" NPT (L.H.)	(30.2)	(44.4)	(195)	(59)	(103)	(293)				(253)
	BC-32098-32-01	G 2" BSPP (R.H.)	1.14"	1.75"	7.66"	2.31"	4.04"	11.52"				9.98"
	BC-32099-32-01	G 2" BSPP (L.H.)	(28.9)	(44.4)	(195)	(59)	(103)	(293)				(253)

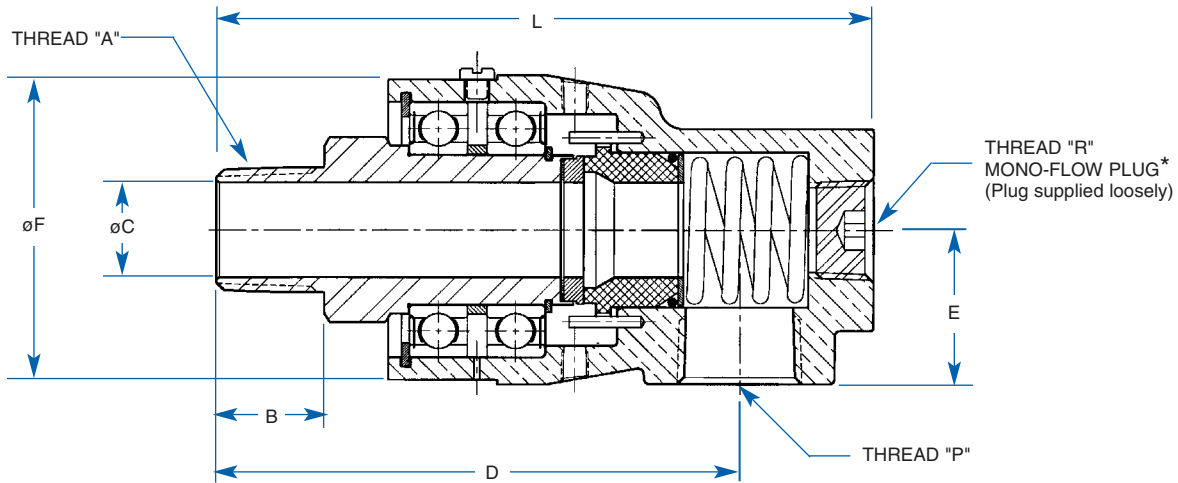
Repair Kits for both Mono-Flow and Duo-Flow

Union size	Part number
3/8"	10-67175-XX
1/2"	10-67176-XX
3/4"	10-67177-XX
1"	10-67178-XX
1 1/4"	10-67625-XX
1 1/2"	10-67293-XX
2"	10-67294-XX



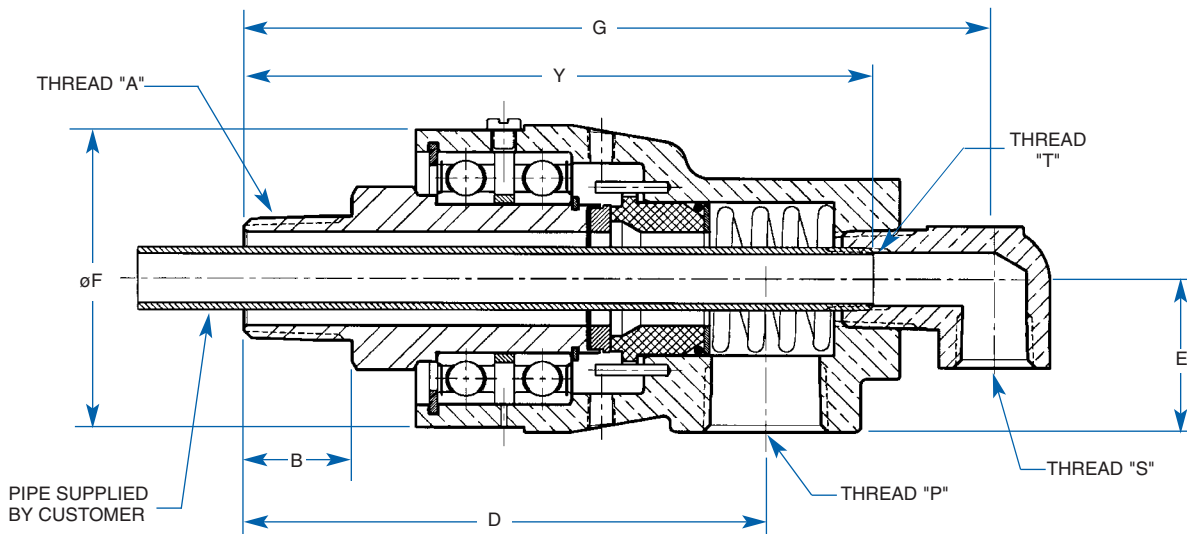
-XX Elastomer Suffix, Specify: -01 = HNBR (Standard), -04 = EPR (Special), -06 = Viton (Special).

Mono-Flow Water Rotary Union



*Seal & tighten plug, or install duo-flow elbow as required before use.

Duo-Flow Water Rotary Union



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