

Multibellows family (BX/BL)



This family is designed for height differences, slightly curved planes and uneven surfaces. Applications such as bag handling, cardboard, high temperature or if the need is specifically to touch a food item as they are also available in material that complies with the FDA (FDA 21 CFR 177.2600) and meets EU's regulation EU 1935/2004.

LIFTING FORCES

	Lifting force vertical to the surface, N, at vacuum level					Lifting force parallel to the surface, N, at vacuum level				
	10 -kPa	20 -kPa	40 -kPa	60 -kPa	90 -kPa	10 -kPa	20 -kPa	40 -kPa	60 -kPa	90 -kPa
BX10P	—	1	—	2.3	3.7	—	—	—	—	—
BX15P	—	2/3 ^A	—	4/5 ^A	4.5/6 ^A	—	—	—	—	—
BX20P	—	4.5/4.8 ^A	—	7/7 ^A	9.5/11 ^A	—	—	—	—	—
BX25P	—	8/9 ^A	—	13/14 ^A	17/18 ^A	—	5/7 ^A	—	10/11 ^A	12/14 ^A
BX35P	—	12/15 ^A	—	20/25 ^A	28/30 ^A	—	11/14 ^A	—	19/23 ^A	26/28 ^A
BX52P	—	32/35 ^A	—	56/59 ^A	75/80 ^A	—	25/27 ^A	—	44/49 ^A	54/56 ^A
BX75P	—	62/70 ^A	—	110/120 ^A	141/166 ^A	—	39/50 ^A	—	83/114 ^A	116/150 ^A
BX110P	—	158/181 ^A	—	306/365 ^A	346/424 ^A	—	140/158 ^A	—	230/244 ^A	260/293 ^A
BXF60P	—	—	—	88/82 ^D	122/115 ^D	—	—	—	47/43 ^D	50/46 ^D
BXF75P	—	—	—	115/117 ^D	154/153 ^D	—	—	—	73/71 ^D	79/76 ^D
BXF90P	—	—	—	169/168 ^D	231/225 ^D	—	—	—	84/92 ^D	92/103 ^D
BXF105P	—	—	—	217/238 ^D	282/314 ^D	—	—	—	105/125 ^D	114/129 ^D

	Lifting force vertical to the surface, N, at vacuum level					Lifting force parallel to the surface, N, at vacuum level				
	10 -kPa	20 -kPa	40 -kPa	60 -kPa	90 -kPa	10 -kPa	20 -kPa	40 -kPa	60 -kPa	90 -kPa
BL20-2	—	0.32/3.2 ^B	—	0.62/6.2 ^B	—	—	—	—	—	—
BL30-2	—	0.64/6.4 ^B	—	1.6/16 ^B	—	—	—	—	—	—
BL40-2	—	1.1/11 ^B	—	2.2/22 ^B	—	—	—	—	—	—
BL50-2	—	1.7/17 ^B	—	4.3/43 ^B	—	—	—	—	—	—
BL30-3P	—	10	—	22	28	—	9	—	10	16
BL40-3P	—	20	—	43	55	—	13	—	24	36
BL50-3P	—	24	—	60	75	—	22	—	49	60
BL30-4	—	8 ^C	—	—	—	—	—	—	—	—
BL40-4	—	10	—	15	22	—	9	—	16	26
BL50-4	—	8	—	25	—	—	—	—	—	—
BL30-5	—	8	—	9	—	—	—	—	—	—
BL40-5	—	13	—	15	—	—	—	—	—	—
BL50-5	—	8	—	25	—	—	—	—	—	—
B-BL30-2	4.4	7.4	12.3	—	—	3	4.4	8.3	—	—
B-BL40-2	8.4	15.3	25.7	—	—	4.2	9	19.4	—	—
B-BL60-2	10.6	23.7	43.1	—	—	11.9	21.4	47.9	—	—
F-BX10	0.5	0.9	1.5	—	—	1.2	1.3	1.4	—	—
F-BX15	1.3	2.7	4.3	—	—	1.5	2.8	3.6	—	—
F-BX20	1.3	2.7	4.3	—	—	1.5	2.8	3.6	—	—
F-BX25	3.9	6.9	8	—	—	2.9	4.6	7.3	—	—
F-BX35	7.6	12.9	14.2	—	—	7.5	9.1	10.3	—	—

^A PU30°/PU60° / PU60°, ^B With reinforcement ring, ^C The suction cup is not intended for deeper vacuum levels than 20 -kPa, ^D Dry metal sheet/Oily metal sheet.

GENERAL SPECIFICATIONS

	Outer diameter, mm	Height, mm	Min. curve radius, mm	Max. vertical movement, mm	Volume, cm ³
BX10P	11	16.5	4/6*	4.5	0.56
BX15P	16	18.5	5.5/6*	5.5	0.92
BX20P	21	15.2	10/8.5*	7.5	1.16
BX25P	26	19	6/8*	8.5	3
BX35P	37	26.8	10	14	10
BX52P	53	39	32	19	30
BX75P	77.5	51.7	23	26	80
BX110P	113.7	74	55	39	230
BXF60P	60	52.6–72.1**	70	31.7	80
BXF75P	75	66.5–85.8**	110	40.1	105
BXF90P	90	75.9–88.9**	160	46.2	180
BXF105P	105	89.1–108.6**	230	55.5	284
BL20-2	20	22.9	4	13	4
BL30-2	30	32.5	8	20	10
BL40-2	40	42.4	11	33	27
BL50-2	50	53	13	34	53
BL30-3P	30	35.5	6	14	14
BL40-3P	40	42.4	13	21	27
BL50-3P	48	53	16	26	54
BL30-4	30.5	16.5	20	19	4.1





	Outer diameter, mm	Height, mm	Min. curve radius, mm	Max. vertical movement, mm	Volume, cm ³
BL40-4	40.1	39.8	15	18	15
BL50-4	50.3	53	30	22	35
BL30-5	30.5	36.5	17	11	8.55
BL40-5	40	40	22	20	14
BL50-5	50	53	30	18	26
B-BL30-2	30	28	10.8	16.8	11
B-BL40-2	42.5	38	15.8	27.9	29.1
B-BL60-2	60	52.6	18.7	43	82.1
F-BX10	10.5	19	3.6	6.8	0.33
F-BX15	16	24	5.5	9.8	1.13
F-BX20	21	30	5.5	9.8	2.9
F-BX25	26	37	9	15.5	5.1
F-BX35	36	37	13.3	20.2	13.6

* PU30°/PU60° / PU60°. ** Height range includes fittings.

AVAILABLE MATERIALS AND INDUSTRIES

An explanation of the industry icons is available on the cover fold out.

Cup	Material								MSF
BX10P	PU30°/PU60°	●		●					
BX10P	PU60°	●		●	●	●		●	●
BX15P	PU30°/PU60°	●		●					
BX15P	PU60°	●		●	●	●		●	●
BX20P	PU30°/PU60°	●		●					
BX20P	PU60°	●		●	●	●		●	●
BX25P	PU30°/PU60°	●		●					
BX25P	PU60°	●		●	●	●		●	●
BX35P	PU30°/PU60°	●		●					
BX35P	PU60°	●		●	●	●		●	●
BX52P	PU30°/PU60°	●		●					
BX52P	PU60°	●		●	●	●		●	●
BX75P	PU30°/PU60°	●		●					
BX75P	PU60°	●		●	●	●		●	●
BX110P	PU30°/PU60°	●		●					
BX110P	PU60°	●		●	●	●		●	●
BXF60P	PU60°			●					●
BXF75P	PU60°			●					●
BXF90P	PU60°			●					●

Cup	Material								MSF
BXF105P	PU60°			●					●
BL20-2	Chloroprene, CR	●				●		●	●
BL20-2	HNBR	●					●	●	
BL20-2	Silicone, SIL	●	●						
BL20-2	Silicone FDA EU, SIL FDA	●	●						
BL30-2	Chloroprene, CR	●				●		●	●
BL30-2	Silicone, SIL	●	●						
BL30-2	Silicone FDA EU, SIL FDA	●	●						
BL40-2	Chloroprene, CR	●				●		●	●
BL40-2	Silicone, SIL	●	●						
BL40-2	Silicone FDA EU, SIL FDA	●	●						
BL50-2	Chloroprene, CR	●				●		●	●
BL50-2	Silicone, SIL	●	●						
BL50-2	Silicone FDA EU, SIL FDA	●	●						
BL30-3P	PU30°/PU70°	●		●					
BL40-3P	PU30°/PU70°	●		●					
BL50-3P	PU30°/PU70°	●		●					
BL30-4	Silicone, SIL	●	●						
BL30-4	Silicone FDA EU, SIL FDA	●	●						
BL40-4	Silicone, SIL	●	●						

Cup	Material								MSF
BL40-4	Silicone FDA EU, SIL FDA	●	●						
BL50-4	Silicone, SIL	●	●						
BL50-4	Silicone FDA EU, SIL FDA	●	●						
BL30-5	Silicone, SIL	●	●						
BL30-5	Silicone FDA EU, SIL FDA	●	●						
BL40-5	Silicone, SIL	●	●						
BL40-5	Silicone FDA EU, SIL FDA	●	●						
BL50-5	Silicone, SIL	●	●						
BL50-5	Silicone FDA EU, SIL FDA	●	●						
B-BL30-2	Silicone FDA EU detectable, SIL FDA DET	●	●						
B-BL40-2	Silicone FDA EU detectable, SIL FDA DET	●	●						
B-BL60-2	Silicone FDA EU detectable, SIL FDA DET	●	●						
F-BX10	Silicone FDA EU detectable, SIL FDA DET	●	●						
F-BX15	Silicone FDA EU detectable, SIL FDA DET	●	●						
F-BX20	Silicone FDA EU detectable, SIL FDA DET	●	●						
F-BX25	Silicone FDA EU detectable, SIL FDA DET	●	●						
F-BX35	Silicone FDA EU detectable, SIL FDA DET	●	●						

MATERIAL RESISTANCE

For more material information go to page 23.

APPLICATIONS

Table shows typical applications for the suction cup. For more detailed information, please visit piab.com.

	Dry sheet metal	Bag handling	Corrugated / cardboard	Food contact materials (FDA & EU), non-detectable	Food contact materials (FDA & EU), detectable	Mark Free	Oily sheet metal	Plastic injection molded parts
BX10P	●		●			●		●
BX15P	●		●			●		●
BX20P	●		●			●		●
BX25P	●		●			●		●
BX35P	●		●			●		●
BX52P	●		●			●		●
BX75P	●		●			●		●
BX110P	●		●			●		●
BXF60P							●	
BXF75P							●	
BXF90P							●	
BXF105P							●	
BL20-2		●		●		●		
BL30-2		●		●				
BL40-2		●		●				
BL50-2		●		●				
BL30-3P		●						
BL40-3P		●						

	Dry sheet metal	Bag handling	Corrugated / cardboard	Food contact materials (FDA & EU), non-detectable	Food contact materials (FDA & EU), detectable	Mark Free	Oily sheet metal	Plastic injection molded parts
BL50-3P		●						
BL30-4		●		●				
BL40-4		●		●				
BL50-4		●		●				
BL30-5		●		●				
BL40-5		●		●				
BL50-5		●		●				
B-BL30-2					●			
B-BL40-2					●			
B-BL60-2					●			
F-BX10					●			
F-BX15					●			
F-BX20					●			
F-BX25					●			
F-BX35					●			

FITTINGS

For a table of possible fittings to use go to pages 198–200, for technical information on all fittings visit piab.com.

ORDERING INFORMATION

Description	Item no.
Suction cup BX10P Polyurethane 30/60	0118329
Suction cup BX10P Polyurethane 30/60, M5 male	0122869
Suction cup BX10P Polyurethane 60	0122966
Suction cup BX10P Polyurethane 60, M5 male	0122967
Suction cup BX15P Polyurethane 30/60	0118505
Suction cup BX15P Polyurethane 30/60, M5 male	0124344
Suction cup BX15P Polyurethane 60	0124237
Suction cup BX15P Polyurethane 60, M5 male	0124345
Suction cup BX20P Polyurethane 30/60	0118507
Suction cup BX20P Polyurethane 30/60, 5xM5 female	0125107
Suction cup BX20P Polyurethane 30/60, G1/8" male	0125108
Suction cup BX20P Polyurethane 30/60, G1/8" male / M5 female	0125105
Suction cup BX20P Polyurethane 30/60, G1/8" male / M5 female, with dual flow control valve	0125106
Suction cup BX20P Polyurethane 30/60, M5 female	0125104
Suction cup BX20P Polyurethane 60	0124249
Suction cup BX20P Polyurethane 60, 5xM5 female	0125111
Suction cup BX20P Polyurethane 60, G1/8" male	0125112
Suction cup BX20P Polyurethane 60, G1/8" male / M5 female	0125110
Suction cup BX20P Polyurethane 60, M5 female	0125109
Suction cup BX25P Polyurethane 30/60	0109006
Suction cup BX25P Polyurethane 30/60 with filter, 5xM5 female	0109405

Description	Item no.
Suction cup BX25P Polyurethane 30/60 with filter, G1/8" male / M5 female	0109402
Suction cup BX25P Polyurethane 30/60 with filter, G1/8" male / M5 female, with dual flow control valve	0109403
Suction cup BX25P Polyurethane 30/60 with filter, G1/8" male with mesh filter	0114131
Suction cup BX25P Polyurethane 30/60 with filter, M5 female	0109404
Suction cup BX25P Polyurethane 30/60, with filter	0109312
Suction cup BX25P Polyurethane 60	0108240
Suction cup BX25P Polyurethane 60 with filter, 5xM5 female	0109401
Suction cup BX25P Polyurethane 60 with filter, G1/8" male	0114149
Suction cup BX25P Polyurethane 60 with filter, G1/8" male / M5 female	0109398
Suction cup BX25P Polyurethane 60 with filter, M5 female	0109400
Suction cup BX25P Polyurethane 60, with filter	0109397
Suction cup BX35P, Polyurethane 30/60	0106292
Suction cup BX35P Polyurethane 30/60 with filter, 1/4" NPT male, with dual flow control valve	9909193
Suction cup BX35P Polyurethane 30/60 with filter, 1/4" NPT male, with mesh filter	0107563
Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female	0106604
Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female, with dual flow control valve	0106605
Suction cup BX35P Polyurethane 30/60 with filter, 3/8" NPT male, with dual flow control valve	9909194
Suction cup BX35P Polyurethane 30/60 with filter, 3/8" NPT male, with mesh filter	9906975
Suction cup BX35P Polyurethane 30/60 with filter, G1/4" male, with mesh filter	0114449
Suction cup BX35P Polyurethane 30/60 with filter, G1/8" male, with mesh filter	9912151
Suction cup BX35P Polyurethane 30/60 with filter, G3/8" male, mesh filter, dual flow control valve	0107378

Description	Item no.
Suction cup BX35P Polyurethane 30/60 with filter, G3/8" male, with mesh filter	0107377
Suction cup BX35P Polyurethane 30/60, with filter	0106619
Suction cup BX35P, Polyurethane 60	0107477
Suction cup BX35P Polyurethane 60 with filter, 1/4" NPT male, with dual flow control valve	9909190
Suction cup BX35P Polyurethane 60 with filter, 1/4" NPT male, with mesh filter	0107567
Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female	0107561
Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female, with dual flow control valve	0107562
Suction cup BX35P Polyurethane 60 with filter, 3/8" NPT male, with dual flow control valve	9909191
Suction cup BX35P Polyurethane 60 with filter, 3/8" NPT male, with mesh filter	9909187
Suction cup BX35P Polyurethane 60 with filter, G1/8" male, with mesh filter	9912152
Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter	0107379
Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter and dual flow control valve	0107380
Suction cup BX35P Polyurethane 60, with filter	0107376
Suction cup BX52P Polyurethane 30/60	0104529
Suction cup BX52P Polyurethane 30/60 with filter, 1/4" NPT male, with dual flow control valve	9908595
Suction cup BX52P Polyurethane 30/60 with filter, 1/4" NPT male, with mesh filter	0106047
Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female	0104727
Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female, with mesh filter	0106044
Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female, with dual flow control valve	0106019
Suction cup BX52P Polyurethane 30/60 with filter, 3/8" NPT male, with dual flow control valve	9908596
Suction cup BX52P Polyurethane 30/60 with filter, 3/8" NPT male, with mesh filter	0107515

Description	Item no.
Suction cup BX52P Polyurethane 30/60 with filter, 5x1/8" NPSF female	0106046
Suction cup BX52P Polyurethane 30/60 with filter, 5x1/8" NPSF female, with dual flow control valve	0106742
Suction cup BX52P Polyurethane 30/60 with filter, G1/4" male, with dual flow control valve	0106739
Suction cup BX52P Polyurethane 30/60 with filter, G1/4" male, with mesh filter	0106045
Suction cup BX52P Polyurethane 30/60 with filter, G1/8" male, with mesh filter	9912153
Suction cup BX52P Polyurethane 30/60 with filter, G3/8" male, with dual flow control valve	0106741
Suction cup BX52P Polyurethane 30/60 with filter, G3/8" male, with mesh filter	0106740
Suction cup BX52P Polyurethane 30/60, with filter	0104729
Suction cup BX52P Polyurethane 60	0107381
Suction cup BX52P Polyurethane 60 with filter, 1/4" NPT male, with dual flow control valve	9908593
Suction cup BX52P Polyurethane 60 with filter, 1/4" NPT male, with mesh filter	0107391
Suction cup BX52P Polyurethane 60 with filter, 1/8" NPSF female	0107383
Suction cup BX52P Polyurethane 60 with filter, 1/8" NPSF female, with mesh filter	0107382
Suction cup BX52P Polyurethane 60 with filter, 3/8" NPT male, with dual flow control valve	9908594
Suction cup BX52P Polyurethane 60 with filter, 3/8" NPT male, with mesh filter	0107516
Suction cup BX52P Polyurethane 60 with filter, 5x1/8" NPSF female	0107389
Suction cup BX52P Polyurethane 60 with filter, 5x1/8" NPSF female, with dual flow control valve	0107390
Suction cup BX52P Polyurethane 60 with filter, G1/4" male, with dual flow control valve	0107386
Suction cup BX52P Polyurethane 60 with filter, G1/4" male, with mesh filter	0107385
Suction cup BX52P Polyurethane 60 with filter, G1/8" male, with mesh filter	9912154
Suction cup BX52P Polyurethane 60 with filter, G3/8" male, with dual flow control valve	0107388

Description	Item no.
Suction cup BX52P Polyurethane 60 with filter, G3/8" male, with mesh filter	0107387
Suction cup BX52P Polyurethane 60, with filter	0108039
Suction cup BX75P Polyurethane 30/60 with filter, 3/8" NPSF female	0108794
Suction cup BX75P Polyurethane 30/60 with filter, for thread insert	0107145
Suction cup BX75P Polyurethane 30/60 with filter, G3/8" male / 1/8" NPSF female	0106606
Suction cup BX75P Polyurethane 30/60 with filter, thread insert G1/4" male	0201073
Suction cup BX75P Polyurethane 30/60 with filter, thread insert G1/8" male	0201082
Suction cup BX75P Polyurethane 30/60 with filter, thread insert G3/8" male	0107151
Suction cup BX75P Polyurethane 30/60, G3/8" male / 1/8" NPSF female	0106293
Suction cup BX75P Polyurethane 60 with filter, 3/8" NPSF female	0108795
Suction cup BX75P Polyurethane 60 with filter, for thread insert	0107150
Suction cup BX75P Polyurethane 60 with filter, thread insert G1/4" male	0201074
Suction cup BX75P Polyurethane 60 with filter, thread insert G1/8" male	0201083
Suction cup BX75P Polyurethane 60 with filter, thread insert G3/8" male	0107149
Suction cup BX110P Polyurethane 30/60	0107093
Suction cup BX110P Polyurethane 30/60 with filter, 3/8" NPSF female	0108403
Suction cup BX110P Polyurethane 30/60 with filter, thread insert G3/8" male	0108273
Suction cup BX110P Polyurethane 30/60, with filter	0108164
Suction cup BX110P Polyurethane 60 with filter, 3/8" NPSF female	0108404
Suction cup BX110P Polyurethane 60 with filter, thread insert G3/8" male	0108341
Suction cup BX110P Polyurethane 60, with filter	0108340

Description	Item no.
Suction cup BXF60P Polyurethane 60, 3/8" NPT female with mesh filter	0207750
Suction cup BXF60P Polyurethane 60, G1/4" female with mesh filter	0207751
Suction cup BXF60P Polyurethane 60, G1/4" male with mesh filter	0207752
Suction cup BXF60P Polyurethane 60, G3/8" female plastic thread	0207530
Suction cup BXF60P Polyurethane 60, G3/8" female with mesh filter	0207748
Suction cup BXF60P Polyurethane 60, G3/8" female with mesh filter, 17 mm thread	0209305
Suction cup BXF60P Polyurethane 60, G3/8" male with mesh filter	0207749
Suction cup BXF60P Polyurethane 60, M10×1,5 male with mesh filter	0207753
Suction cup BXF60P Polyurethane 60, T-slot with mesh filter	0207747
Suction cup BXF75P Polyurethane 60, 3/8" NPT female with mesh filter	0209311
Suction cup BXF75P Polyurethane 60, G1/4" female with mesh filter	0209312
Suction cup BXF75P Polyurethane 60, G1/4" male with mesh filter	0209313
Suction cup BXF75P Polyurethane 60, G3/8" female plastic thread	0209307
Suction cup BXF75P Polyurethane 60, G3/8" female with mesh filter	0209308
Suction cup BXF75P Polyurethane 60, G3/8" female with mesh filter, 17 mm thread	0209309
Suction cup BXF75P Polyurethane 60, G3/8" male with mesh filter	0209310
Suction cup BXF75P Polyurethane 60, M10×1,5 male with mesh filter	0209314
Suction cup BXF75P Polyurethane 60, T-slot with mesh filter	0209315
Suction cup BXF90P Polyurethane 60, 3/8" NPT female with mesh filter	0207743
Suction cup BXF90P Polyurethane 60, G1/4" female with mesh filter	0207744
Suction cup BXF90P Polyurethane 60, G1/4" male with mesh filter	0207745

Description	Item no.
Suction cup BXF90P Polyurethane 60, G3/8" female plastic thread	0207531
Suction cup BXF90P Polyurethane 60, G3/8" female with mesh filter	0207741
Suction cup BXF90P Polyurethane 60, G3/8" female with mesh filter, 17 mm thread	0209356
Suction cup BXF90P Polyurethane 60, G3/8" male with mesh filter	0207742
Suction cup BXF90P Polyurethane 60, M10×1,5 male with mesh filter	0207746
Suction cup BXF90P Polyurethane 60, T-slot with mesh filter	0207740
Suction cup BXF105P Polyurethane 60, 3/8" NPT female with mesh filter	0209427
Suction cup BXF105P Polyurethane 60, G1/4" female with mesh filter	0209428
Suction cup BXF105P Polyurethane 60, G1/4" male with mesh filter	0209429
Suction cup BXF105P Polyurethane 60, G3/8" female plastic thread	0209378
Suction cup BXF105P Polyurethane 60, G3/8" female with mesh filter	0209424
Suction cup BXF105P Polyurethane 60, G3/8" female with mesh filter, 17 mm thread	0209425
Suction cup BXF105P Polyurethane 60, G3/8" male with mesh filter	0209426
Suction cup BXF105P Polyurethane 60, M10×1,5 male with mesh filter	0209430
Suction cup BXF105P Polyurethane 60, T-slot with mesh filter	0209431
Suction cup BL20-2 Chloroprene	0101115
Suction cup BL20-2 Chloroprene, 5xM5 female	0101197
Suction cup BL20-2 Chloroprene, G1/8" male, with mesh filter	0101194
Suction cup BL20-2 Chloroprene, G1/8" male, with mesh filter and dual flow control valve	0101200
Suction cup BL20-2 Chloroprene, G1/8" male/M5 female, PA	0109844
Suction cup BL20-2 Chloroprene, G1/8" male/M5 female, with dual flow control valve	0101202

Description	Item no.
Suction cup BL20-2 Chloroprene, G1/8" male/M5 female, with mesh filter	0101198
Suction cup BL20-2 Chloroprene, M5 female	0101193
Suction cup BL20-2 HNBR	0201132
Suction cup BL20-2 HNBR, 5xM5 female	9914282
Suction cup BL20-2 HNBR, 5xM5 female, with dual flow control valve	9914283
Suction cup BL20-2 HNBR, G1/8" male, with mesh filter	9914278
Suction cup BL20-2 HNBR, G1/8" male, with mesh filter and dual flow control valve	9914279
Suction cup BL20-2 HNBR, G1/8" male/M5 female, PA	9914284
Suction cup BL20-2 HNBR, G1/8" male/M5 female, with dual flow control valve	9914281
Suction cup BL20-2 HNBR, G1/8" male/M5 female, with mesh filter	9914280
Suction cup BL20-2 HNBR, M5 female	9914276
Suction cup BL20-2 HNBR, M5 female, with dual flow control valve	9914277
Suction cup BL20-2 Silicone	0101116
Suction cup BL20-2 Silicone FCM	0200412
Suction cup BL20-2 Silicone FCM, G1/8" male, with mesh filter	9909637
Suction cup BL20-2 Silicone FCM, G1/8" male/M5 female, with mesh filter	9909716
Suction cup BL20-2 Silicone, 5xM5 female	0101208
Suction cup BL20-2 Silicone, G1/8" male, with mesh filter	0101205
Suction cup BL20-2 Silicone, G1/8" male, with mesh filter and dual flow control valve	0101211
Suction cup BL20-2 Silicone, G1/8" male/M5 female, PA	0110339
Suction cup BL20-2 Silicone, G1/8" male/M5 female, with mesh filter	0101209

Description	Item no.
Suction cup BL20-2 Silicone, M5 female	0101204
Suction cup BL20-2 Silicone, M5 female, with dual flow control valve	0101210
Suction cup BL30-2 Chloroprene	0101117
Suction cup BL30-2 Chloroprene, 1/8" NPSF female, PA	0110951
Suction cup BL30-2 Chloroprene, 1/8" NPSF female, with dual flow control valve	0101502
Suction cup BL30-2 Chloroprene, 1/8" NPSF female, with mesh filter	0101501
Suction cup BL30-2 Chloroprene, G1/4" male, with mesh filter	0101496
Suction cup BL30-2 Chloroprene, G1/4" male, with mesh filter and dual flow control valve	0101503
Suction cup BL30-2 Chloroprene, G3/8" male, with mesh filter	0101498
Suction cup BL30-2 Silicone	0101118
Suction cup BL30-2 Silicone FCM	0200411
Suction cup BL30-2 Silicone FCM, 1/8" NPSF female, with mesh filter	9909641
Suction cup BL30-2 Silicone FCM, G1/4" male, with mesh filter	9909639
Suction cup BL30-2 Silicone, 1/8" NPSF female, PA	0110340
Suction cup BL30-2 Silicone, 1/8" NPSF female, with dual flow control valve	0101515
Suction cup BL30-2 Silicone, 1/8" NPSF female, with mesh filter	0101514
Suction cup BL30-2 Silicone, 5x1/8" NPSF female	0101513
Suction cup BL30-2 Silicone, G1/4" male, with mesh filter	0101509
Suction cup BL30-2 Silicone, G1/4" male, with mesh filter and dual flow control valve	0101516
Suction cup BL30-2 Silicone, G3/8" male, with mesh filter	0101511
Suction cup BL40-2 Chloroprene	0101119

Description	Item no.
Suction cup BL40-2 Chloroprene, 1/8" NPSF female, PA	0110946
Suction cup BL40-2 Chloroprene, 5x1/8" NPSF female	0101526
Suction cup BL40-2 Chloroprene, 5x1/8" NPSF female, with dual flow control valve	0101533
Suction cup BL40-2 Chloroprene, G1/4" male, with mesh filter	0101522
Suction cup BL40-2 Chloroprene, G1/4" male, with mesh filter and dual flow control valve	0101529
Suction cup BL40-2 Chloroprene, G3/8" male, with mesh filter	0101524
Suction cup BL40-2 Silicone	0101120
Suction cup BL40-2 Silicone FCM	0200415
Suction cup BL40-2 Silicone FCM, 1/8" NPSF female, with mesh filter	9909643
Suction cup BL40-2 Silicone FCM, G1/4" male, with mesh filter	9909642
Suction cup BL40-2 Silicone, 1/8" NPSF female, PA	0110341
Suction cup BL40-2 Silicone, 1/8" NPSF female, with mesh filter	0101540
Suction cup BL40-2 Silicone, 5x1/8" NPSF female	0101539
Suction cup BL40-2 Silicone, G1/4" male, with mesh filter	0101535
Suction cup BL40-2 Silicone, G1/4" male, with mesh filter and dual flow control valve	0101542
Suction cup BL40-2 Silicone, G3/8" male, with mesh filter	0101537
Suction cup BL40-2 Chloroprene, 1/8" NPSF female, with mesh filter	0101527
Suction cup BL50-2 Chloroprene	0101121
Suction cup BL50-2 Chloroprene, 1/8" NPSF female, PA	0110958
Suction cup BL50-2 Chloroprene, 1/8" NPSF female, with dual flow control valve	0101702
Suction cup BL50-2 Chloroprene, 1/8" NPSF female, with mesh filter	0101701

Description	Item no.
Suction cup BL50-2 Chloroprene, 5x1/8" NPSF female	0101700
Suction cup BL50-2 Chloroprene, G1/4" male, with mesh filter	0101696
Suction cup BL50-2 Chloroprene, G1/4" male, with mesh filter and dual flow control valve	0101703
Suction cup BL50-2 Chloroprene, G3/8" male, with mesh filter	0101698
Suction cup BL50-2 Chloroprene, G3/8" male, with mesh filter and dual flow control valve	0101705
Suction cup BL50-2 Silicone	0101122
Suction cup BL50-2 Silicone FCM	0200416
Suction cup BL50-2 Silicone FCM, 1/8" NPSF female, with mesh filter	9909644
Suction cup BL50-2 Silicone FCM, G1/4" male, with mesh filter	9909616
Suction cup BL50-2 Silicone, 1/8" NPSF female, PA	0110342
Suction cup BL50-2 Silicone, 1/8" NPSF female, with dual flow control valve	0101715
Suction cup BL50-2 Silicone, 1/8" NPSF female, with mesh filter	0101714
Suction cup BL50-2 Silicone, G1/4" male, with mesh filter	0101709
Suction cup BL50-2 Silicone, G3/8" male, with mesh filter	0101711
Suction cup BL30-3P Polyurethane 30/70	0110545
Suction cup BL30-3P Polyurethane 30/70, G3/8" male	0113743
Suction cup BL30-3P Polyurethane 30/70, 3/8" NPT male	0113744
Suction cup BL40-3P Polyurethane 30/70	0112667
Suction cup BL40-3P Polyurethane 30/70, 3/8" NPT male	0112693
Suction cup BL40-3P Polyurethane 30/70, G3/8" male	0111791
Suction cup BL50-3P Polyurethane 30/70	0112641

Description	Item no.
Suction cup BL50-3P Polyurethane 30/70, G1/2" male	0113745
Suction cup BL50-3P Polyurethane 30/70, 1/2" NPT male	0113746
Suction cup BL30-4 Silicone	0116971
Suction cup BL30-4 Silicone, G1/4" male	0118369
Suction cup BL30-4 Silicone, 1/4" NPT male	0118371
Suction cup BL30-4 Silicone FCM	0200436
Suction cup BL30-4 Silicone FCM, G1/4" male	9909645
Suction cup BL30-4 Silicone FCM, 1/4" NPT male	9909646
Suction cup BL40-4 Silicone	0114848
Suction cup BL40-4 Silicone, G3/8" male	0116993
Suction cup BL40-4 Silicone, 3/8" NPT male	0116996
Suction cup BL40-4 Silicone FCM	0200337
Suction cup BL40-4 Silicone FCM, G3/8" male	9909647
Suction cup BL40-4 Silicone FCM, 3/8" NPT male	9909648
Suction cup BL50-4 Silicone, G1/2" male	0120543
Suction cup BL50-4 Silicone, 1/2" NPT male	0120544
Suction cup BL50-4 Silicone FCM	0200238
Suction cup BL50-4 Silicone FCM, G1/2" male	9909649
Suction cup BL50-4 Silicone FCM, 1/2" NPT male	9909650
Suction cup BL30-5 Silicone	0121519
Suction cup BL30-5 Silicone FCM	0200239

Description	Item no.
Suction cup BL30-5 Silicone FCM, 1/4" NPT male	9909652
Suction cup BL30-5 Silicone FCM, G1/4" male	9909651
Suction cup BL30-5 Silicone, 1/4" NPT male	0124669
Suction cup BL30-5 Silicone, 1/4" NPT male	0124516
Suction cup BL30-5 Silicone, G1/4" male	0124515
Suction cup BL40-5 Silicone	0117611
Suction cup BL40-5 Silicone, G3/8" male	0120576
Suction cup BL40-5 Silicone, 3/8" NPT male	0120577
Suction cup BL40-5 Silicone FCM	0200237
Suction cup BL40-5 Silicone FCM, G3/8" male	9909653
Suction cup BL40-5 Silicone FCM, 3/8" NPT male	9909654
Suction cup BL50-5 Silicone	0121520
Suction cup BL50-5 Silicone FCM	0200240
Suction cup BL50-5 Silicone FCM, 1/2" NPT male	9909656
Suction cup BL50-5 Silicone FCM, G1/2" male	9909655
Suction cup BL50-5 Silicone, 1/2" NPT male	0122962
Suction cup BL50-5 Silicone, G1/2" male	0122961
Suction cup B-BL30-2 Silicone, detectable, FCM	0206373
Suction cup B-BL30-2 Silicone, 1/2" NPT male composite detectable, FCM	0207098
Suction cup B-BL30-2 Silicone, 1/2" NPT male SS detectable, FCM	0207095
Suction cup B-BL30-2 Silicone, 3/8" NPT male composite detectable, FCM	0207099

Description	Item no.
Suction cup B-BL30-2 Silicone, 3/8" NPT male SS detectable, FCM	0207094
Suction cup B-BL30-2 Silicone, G1/2" male composite detectable, FCM	0207096
Suction cup B-BL30-2 Silicone, G1/2" male SS detectable, FCM	0207093
Suction cup B-BL30-2 Silicone, G3/8" male composite detectable, FCM	0207097
Suction cup B-BL30-2 Silicone, G3/8" male SS detectable, FCM	0207092
Suction cup B-BL30-2 Silicone, with retainer clip, detectable FCM	0207100
Suction cup B-BL40-2 Silicone, detectable, FCM	0202850
Suction cup B-BL40-2 Silicone, 1/2" NPT male composite detectable, FCM	0207108
Suction cup B-BL40-2 Silicone, 1/2" NPT male SS detectable, FCM	0207104
Suction cup B-BL40-2 Silicone, 3/8" NPT male composite detectable, FCM	0207107
Suction cup B-BL40-2 Silicone, 3/8" NPT male SS detectable, FCM	0207103
Suction cup B-BL40-2 Silicone, G1/2" male composite detectable, FCM	0207106
Suction cup B-BL40-2 Silicone, G1/2" male SS detectable, FCM	0207102
Suction cup B-BL40-2 Silicone, G3/8" male composite detectable, FCM	0207105
Suction cup B-BL40-2 Silicone, G3/8" male SS detectable, FCM	0207101
Suction cup B-BL40-2 Silicone, with retainer clip, detectable, FCM	0207109
Suction cup B-BL60-2 Silicone, detectable, FCM	0206374
Suction cup B-BL60-2 Silicone, 1/2" NPT male composite detectable, FCM	0207118
Suction cup B-BL60-2 Silicone, 1/2" NPT male SS detectable, FCM	0207113
Suction cup B-BL60-2 Silicone, 3/8" NPT male composite detectable, FCM	0207117
Suction cup B-BL60-2 Silicone, 3/8" NPT male SS detectable, FCM	0207112

Description	Item no.
Suction cup B-BL60-2 Silicone, G1/2" male SS detectable, FCM	0207111
Suction cup B-BL60-2 Silicone, G1/2" male, composite detectable, FCM	0207115
Suction cup B-BL60-2 Silicone, G3/8" male SS detectable, FCM	0207110
Suction cup B-BL60-2 Silicone, G3/8" male, composite detectable, FCM	0207114
Suction cup B-BL60-2 Silicone, with retainer clip, detectable, FCM	0207119
Suction cup F-BX10 Silicone detectable, FCM	0206202
Suction cup F-BX10 Silicone 1/8" NPT male composite, detectable, FCM	0207054
Suction cup F-BX10 Silicone 1/8" NPT male SS, detectable, FCM	0207051
Suction cup F-BX10 Silicone G1/8" male composite, detectable, FCM	0207053
Suction cup F-BX10 Silicone G1/8" male SS, detectable, FCM	0207050
Suction cup F-BX10 Silicone M5 male composite, detectable, FCM	0207052
Suction cup F-BX10 Silicone M5 male SS, detectable, FCM	0207049
Suction cup F-BX15 Silicone detectable, FCM	0206203
Suction cup F-BX15 Silicone 1/4" NPT male composite, detectable, FCM	0207062
Suction cup F-BX15 Silicone 1/4" NPT male SS, detectable, FCM	0207058
Suction cup F-BX15 Silicone 1/8" NPT male composite, detectable, FCM	0207061
Suction cup F-BX15 Silicone 1/8" NPT male SS, detectable, FCM	0207057
Suction cup F-BX15 Silicone G1/4" male composite, detectable, FCM	0207060
Suction cup F-BX15 Silicone G1/4" male SS, detectable, FCM	0207056
Suction cup F-BX15 Silicone G1/8" male composite, detectable, FCM	0207059
Suction cup F-BX15 Silicone G1/8" male SS, detectable, FCM	0207055

Description	Item no.
Suction cup F-BX20 Silicone detectable, FCM	0206204
Suction cup F-BX20 Silicone 1/4" NPT male composite, detectable, FCM	0207070
Suction cup F-BX20 Silicone 1/4" NPT male SS, detectable, FCM	0207066
Suction cup F-BX20 Silicone 1/8" NPT male composite, detectable, FCM	0207069
Suction cup F-BX20 Silicone 1/8" NPT male SS, detectable, FCM	0207065
Suction cup F-BX20 Silicone G1/4" male composite, detectable, FCM	0207068
Suction cup F-BX20 Silicone G1/4" male SS, detectable, FCM	0207064
Suction cup F-BX20 Silicone G1/8" male composite, detectable, FCM	0207067
Suction cup F-BX20 Silicone G1/8" male SS, detectable, FCM	0207063
Suction cup F-BX25 Silicone detectable, FCM	0206205
Suction cup F-BX25 Silicone 1/4" NPT male composite, detectable, FCM	0207077
Suction cup F-BX25 Silicone 1/4" NPT male SS, detectable, FCM	0207073
Suction cup F-BX25 Silicone 3/8" NPT male composite, detectable, FCM	0207078
Suction cup F-BX25 Silicone 3/8" NPT male SS, detectable, FCM	0207074
Suction cup F-BX25 Silicone G1/4" male composite, detectable, FCM	0207075
Suction cup F-BX25 Silicone G1/4" male SS, detectable, FCM	0207071
Suction cup F-BX25 Silicone G3/8" male composite, detectable, FCM	0207076
Suction cup F-BX25 Silicone G3/8" male SS, detectable, FCM	0207072
Suction cup F-BX35 Silicone detectable, FCM	0206206
Suction cup F-BX35 Silicone 1/4" NPT male composite, detectable, FCM	0207085
Suction cup F-BX35 Silicone 1/4" NPT male SS, detectable, FCM	0207081

Description	Item no.
Suction cup F-BX35 Silicone 3/8" NPT male composite, detectable, FCM	0207086
Suction cup F-BX35 Silicone 3/8" NPT male SS, detectable, FCM	0207082
Suction cup F-BX35 Silicone G1/4" male composite, detectable, FCM	0207083
Suction cup F-BX35 Silicone G1/4" male SS, detectable, FCM	0207079
Suction cup F-BX35 Silicone G3/8" male composite, detectable, FCM	0207084
Suction cup F-BX35 Silicone G3/8" male SS, detectable, FCM	0207080