

Quick-Disconnect Couplers

A. Low Pressure Couplers

I. Industrial Interchange

23KA	24KE	24KA
1400KA	24KM	30KF
30KA	30KM	37KA
37KM	37KF	

II. ARO Interchange

14KM	14KA	14KF
14KE	22KA	40KA

III. Automotive Interchange

53KM	55KM
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IV. Universal Couplers

12UN

V. European Interchange

25KA	25KF	1600KA
26KA	26KE	25KB
27KA	26KF	26KE
1625KA	27KF	27KB

VI. Schrader Interchange

17KA	17TL
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VII. Lincoln Interchange

15KM

VIII. Nitto Kohki Interchange

13KA

IX. Hansen Interchange

38KB	39KB
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B. Micro, Sub Miniature & Miniature Couplers

I. Micro Coupler

02KA

II. Sub Miniature Coupler

20KA	20KF
20KB	91KA

III. Miniature Coupler

21KA	21KF
21KB	90KA

C. Water Couplers

I. Moldtite, Moldmate Interchange

86	88	87
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D. Dry Break Couplers

21KL	25KL	204KL
206KL	209KL	

E. Safety Couplers (Self Venting)

I. ARO Interchange

14KE

II. INDUSTRIAL INTERCHANGE

23KE	24KE
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III. European Interchange

25KE	26KE
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F. Safety Couplers (Self Lock / Air Breathing)

21KS	21KD	21KR
25KS		

G. RECTUKEY Couplers

I. Standard RectuKey

21KA	21KF	21KB
25KA	25KF	25KB

H. Thermoplastic Couplers

I. Standard Thermoplastic

21KB	48KB
21KF	

II. ISO-B Interchange 7241-1-B

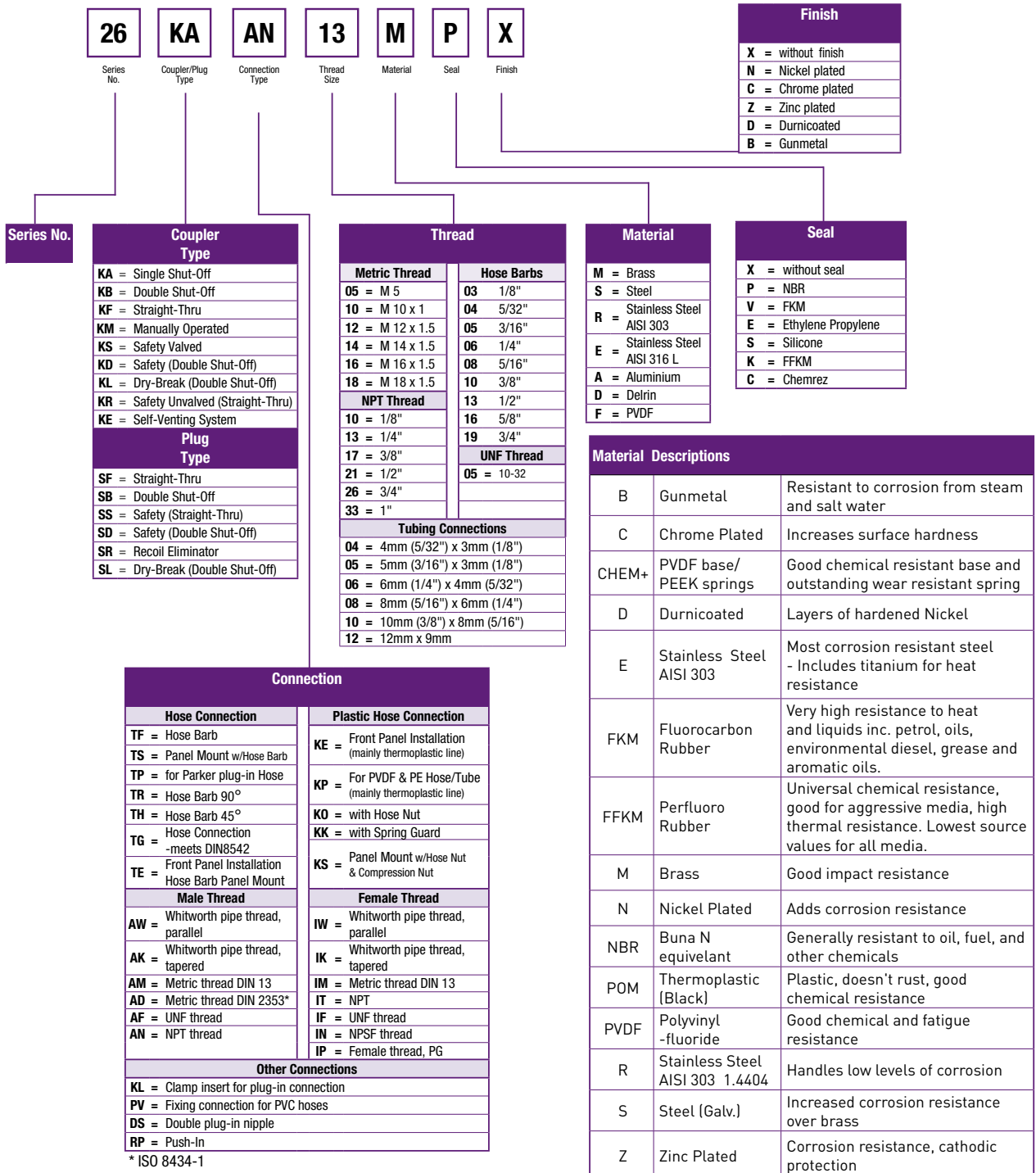
71KB	72KB	73KB
74KB	75KB	76KB



Pneumatic Couplers

Nycoil uses a descriptive part numbering system for Pneumatic Couplers that takes the confusion out of matching couplers and plugs. Couplers and plugs have the same first three characters in their part numbers and are the same Interchange and body size, so they are compatible and can be connected. In addition, each character has a specific meaning that describes the particular coupler or plug.

Pneumatic Coupler Part Numbering Structure



Coupler to Plug Cross Reference	
Coupler Series	Plug Series
02KA	02SF
12UN	53SF, 22SF, 23SF
13KA	13SF
1423KA	23SF
14KA	22SF
14KE	22SF
14KF	22SF
14KM	22SF
15KM	15SF
1600KA	25SF
1625KA	25SF
17KA	17SF
17TL	17SF
20KA	20SF
20KB	20SB
20KF	20SF
21KA	21SF
21KA RectuKey*	21SF Color Coded
21KB	21SB
21KB RectuKey*	21SF & 21SB Color Coded
21KB Thermoplastic	21SB
21KD Safety	21SD
21KF	21SF
21KF RectuKey*	21SF Color Coded
21KF Thermoplastic	21SF
21KL	21SL
21KR Safety	21SS
21KS Safety	21SS

* Designates "Keyed" Coupler

Coupler to Plug Cross Reference	
Coupler Series	Plug Series
22KA	22SF
23KA	23SF
23KE	23SF
23KF	23SF
24KA	23SF
24KE	23SF
24KM	23SF
25KA	25SF, 26SF
25KA RectuKey*	25 (26) SF Color Coded
25KB	25SB
25KB RectuKey*	25 (26) SF & SB Color Coded
25KD Safety	25SD
25KE	25SF, 26SF
25KF	25SF, 26SF
25KF RectuKey*	25 (26) SF Color Coded
25KL	25SL
25KS Safety	25SS
26KA	26SF, 26 RECOIL
26KE	25SF, 26SF
26KF	26SF, 26 RECOIL
27KA	27SF
27KB	27SB
27KF	27SF
30KA	30SF
30KF	30SF
30KM	30SF
37KA	37SF
37KF	37SF

* Designates "Keyed" Coupler

Coupler to Plug Cross Reference	
Coupler Series	Plug Series
37KM	37SF
38KB	38SF, 38SB
39KB	39SF, 39SB
40KA	40SF
48KB Thermoplastic	48SB
48KF Thermoplastic*	48SF
53KM	53SF
55KM	55SF
71KB	71SB
72KB	72SB
73KB	73SB
74KB	74SB
75KB	75SB
76KB	76SB
86	86SF, 86SB, 86VN
87	87SF, 87SB, 87VN
88	88SF
90KA	21SF
91KA	20SF
204KL	204SL
206KL	206SL
209KL	209SL

* Not included in catalog.
Contact customer service for ordering information.

Plug to Coupler Cross Reference	
Plug Series	Coupler Series
02SF	02KA
13SF	13KA
22SF	14KM
15SF	15KM
17SF	17KA, 17TL
20SB	20KB
20SF	20KA, 20KF, 91KA
21SD	21KD Safety
21SS	21KR Safety, 21KS Safety
21SF	90KA, 21KA, 21KF
21SB	21KB
21SB Color Coded	21KB RectuKey*
21SB Thermoplastic	21KB Thermoplastic
21SF Thermoplastic	21KF Thermoplastic
21SF Color Coded	21KA, 21KF RectuKey*
21SL	21KL
22SF	14KA, 14KF, 14KE, 14KM, 22KA, 12UN
23SF	24KA, 24KM, 23KA, 23KE 23KF, 24KE, 12UN
25SB	25KB

* Designates "Keyed" Coupler

Plug to Coupler Cross Reference	
Plug Series	Coupler Series
25SD	25KD Safety
25SF	1625KA, 1600KA, 25KA, 25KE, 25KF, 26KE
25SL	25KL
25SS	25KS Safety
26SF	26KA, 26KF
26SF Color Coded	25KA & 25KF RectuKey*
26SF	26KA, 26KF, 25KA, 25KF
26SR	26KA, 26KF, 25KA, 25KF
27SB	27KB
27SF	27KA, 27KF
30SF	30KA, 30KF, 30KM
37SF	37KA, 37KM
39SF	39KA, 39KB
39SB	39KA, 39KB
40SF	40KA
48SB Thermoplastic	48KB Thermoplastic
48SF Thermoplastic	48KF Thermoplastic*
53SF	53KM, 12UN
55SF	55KM
71SB	71KB

* Designates "Keyed" Coupler

Plug to Coupler Cross Reference	
Plug Series	Coupler Series
72SB	72KB
73SB	73KB
74SB	74KB
75SB	75KB
76SB	76KB
86SF, 86SB, 86VN	86
87SF, 87SB, 87VN	87
88SF	88
204SL	204KL
206SL	206KL
209SL	209KL

* Not included in catalog.
Contact customer service for ordering information.

COUPLERS

COUPLER GUIDE													Material (see page F-2 for details)				Standard	Standard	Standard
Coupler Series	Page No.	Coupler Style	Sleeve Type	Interchange	Body Size	M	M N	S N	S Z	R	E	Locking Mech.	Seal Material	Seal Temp Rating	Rated Pressure				
02KA	F-57	Single Shut-off	Automatic	Micro	Various	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
12UN	F-30	Single Shut-off	Automatic	Universal	1/4"	X	-	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
13KA	F-51	Single Shut-off	Automatic	Nitto Kohki	1/4"	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	300				
1400KA	***	Single Shut-off	Automatic	Industrial	1/4"	-	-	X	-	-	-	Ball	NBR	-4°F to +210°F	500				
1423KA	F-13	Single Shut-off	Automatic	Industrial	1/4"	-	-	X	-	-	-	Ball	NBR	-4°F to +176°F	500				
14KA	F-23	Single Shut-off	Automatic	ARO	1/4"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500				
14KE	F-86	Single Shut-off	Automatic	Safety, Self Vent	1/4"	-	X	-	-	-	-	Balls & Pins	NBR	-4°F to +210°F	220				
14KF	F-23	Straight-Thru	Automatic	ARO	1/4"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500				
14KM	F-21	Single Shut-off	Manual	ARO	1/4"	X	-	-	-	-	-	Balls	NBR	-4°F to +210°F	300				
15KM	F-49	Single Shut-off	Manual	Lincoln	1/4"	X	-	-	-	-	-	Balls	NBR	-4°F to +210°F	300				
1600KA	F-41	Single Shut-off	Automatic	European	1/4"	-	-	X	-	-	-	Balls	NBR	-4°F to +176°F	500				
1625KA	F-38	Single Shut-off	Automatic	European	1/4"	-	-	X	-	-	-	Balls	NBR	-4°F to +210°F	500				
17KA	F-46	Single Shut-off	Automatic	Schrader	1/4"	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
17TL	F-47	Single Shut-off	Twist Lock	Schrader	1/4"	Zinc	-	-	-	-	-	Cam	Nitrile	-40°F to +250°F	300				
204KL	F-82	Double Shut-off	Automatic	Dry Break	Various	-	-	-	-	-	X**	Balls	NBR	-4°F to +176°F	218				
206KL	F-83	Double Shut-off	Automatic	Dry Break	Various	-	-	-	-	-	X**	Balls	NBR	-4°F to +176°F	218				
209KL	F-84	Double Shut-off	Automatic	Dry Break	Various	-	-	-	-	-	X**	Balls	NBR	-4°F to +176°F	218				
20KA	F-59	Single Shut-off	Automatic	Sub-Miniature	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
20KB	F-61	Double Shut-off	Automatic	Sub-Miniature	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
20KF	F-59	Straight-Thru	Automatic	Sub-Miniature	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
21KA	F-101	Single Shut-off	Automatic	RECTUKEY (no interchange)	Miniature	-	X	-	-	X	X	Balls	NBR	+25°F to +572°F	500				
21KA	F-65	Single Shut-off	Automatic	Miniature	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
21KB	F-101	Double Shut-off	Automatic	RECTUKEY (no interchange)	Miniature	-	X	-	-	X	X	Balls	NBR	+25°F to +572°F	500				
21KB	F-68	Double Shut-off	Automatic	Miniature	1/8" - 3/8"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
21KD	F-96	Double Shut-off	Automatic	Safety Lock/ Air Breathing	Miniature	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
21KF	F-65	Straight-Thru	Automatic	RECTUKEY (no interchange)	Miniature	-	X	-	-	X	X	Balls	NBR	+25°F to +572°F	500				
21KF	F-65	Straight-Thru	Automatic	Miniature	1/8" - 3/8"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
21KL	F-78	Double Shut-off	Automatic	Dry Break	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	120				
21KR	F-94	Straight-Thru	Automatic	Safety Lock/ Air Breathing	Miniature	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
21KS	F-94	Single Shut-off	Automatic	Safety Lock/ Air Breathing	Miniature	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
22KA	F-24	Single Shut-off	Automatic	ARO	1/4"	X	-	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
23KA	F-11	Single Shut-off	Automatic	Industrial	1/4"	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500				
23KE	F-88	Single Shut-off	Automatic	Safety, Self Vent	1/4"	-	X	-	-	-	-	Balls & Pins	NBR	-4°F to +210°F	500				
23KF	F-11	Straight-Thru	Automatic	Industrial	1/4"	-	X	-	-	-	-	Ball	NBR	-4°F to +210°F	500				
24KA	F-9	Single Shut-off	Automatic	Industrial	1/4"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500				
24KE	F-89	Single Shut-off	Automatic	Safety, Self Vent	1/4"	-	X	-	-	-	-	Balls & Pins	NBR	-4°F to +210°F	500				
24KM	F-7	Single Shut-off	Manual	Industrial	1/4"	X	-	-	-	-	-	Balls & Pins	NBR	-40°F to +250°F	300				
25KA	F-33	Single Shut-off	Automatic	European	1/4"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
25KA	F-104	Single Shut-off	Automatic	RECTUKEY (no interchange)	1/4"	X	X	-	-	X	X	Balls	NBR	-4°F to +210°F	500				
25KB	F-35	Double Shut-off	Automatic	European	1/4"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500				
25KB	F-36	Double Shut-off	Automatic	RECTUKEY (no interchange)	1/4"	X	X	-	-	X	X	Balls	NBR	-4°F to +210°F	500				
25KD	F-99	Double Shut-off	Automatic	Safety Lock/ Air Breathing	1/4"	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	120				

* = AISI 316 Ti ** = AISI 316L ***Not included in catalog. Contact customer service for ordering information.

COUPLER GUIDE						Material (see page F-2 for details)						Standard	Standard	Standard	
Coupler Series	Page No.	Coupler Style	Sleeve Type	Interchange	Body Size	M	M N	S N	S Z	R	E	Locking Mech.	Seal Material	Seal Temp Rating	Rated Pressure
25KE	F-91	Single Shut-off	Automatic	Safety, Self Vent	1/4"	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	120
25KF	F-32	Straight-Thru	Automatic	European	1/4"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500
25KL	F-80	Double Shut-off	Automatic	Dry Break	Various	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	120
25KS	F-98	Single Shut-off	Automatic	Safety Lock/ Air Breathing	1/4"	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500
25KS steel	F-98	Single Shut-off	Automatic	Safety Lock/ Air Breathing	1/4"	-	-	X	-	-	-	Balls	NBR	-4°F to +210°F	1015
26KA	F-40	Single Shut-off	Automatic	European	1/4"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
26KE	F-92	Single Shut-off	Automatic	Safety, Self Vent	1/4"	-	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500
26KF	F-39	Straight-Thru	Automatic	European	1/4"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
27KA	F-42	Single Shut-off	Automatic	European	3/8"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500
27KB	F-44	Double Shut-off	Automatic	European	3/8"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500
27KF	F-42	Straight-Thru	Automatic	European	3/8"	X	X	-	-	X	X*	Balls	NBR	-4°F to +210°F	500
30KA	F-16	Single Shut-off	Automatic	Industrial	3/8"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
30KF	F-16	Straight-Thru	Automatic	Industrial	3/8"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
30KM	F-15	Single Shut-off	Manual	Industrial	3/8"	-	-	-	X	-	-	Ball	NBR	-40°F to +250°F	300
37KA	F-19	Single Shut-off	Automatic	Industrial	1/2"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
37KF	F-19	Straight-Thru	Automatic	Industrial	1/2"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
37KM	F-18	Single Shut-off	Manual	Industrial	1/2"	-	-	-	X	-	-	Ball	NBR	-40°F to +250°F	300
38KB	F-52	Single or Double	Automatic	Hansen	3/4"	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500
39KB	F-54	Single or Double	Automatic	Hansen	1"	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500
40KA	F-26	Single Shut-off	Automatic	ARO	3/8"	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
53KM	F-27	Single Shut-off	Manual	Automotive	1/4"	X	-	-	-	-	-	Balls	NBR	-4°F to +210°F	230
55KM	F-28	Single Shut-off	Manual	Automotive	3/8"	-	-	-	X	-	-	Balls	NBR	-4°F to +210°F	230
86	F-73	Manual	Manual	Moldtite, Moldmate	1/4"	X	-	-	-	-	-	Balls	Silicone	+5°F to +390°F	220
87	F-73	Manual	Manual	Moldtite, Moldmate	3/8"	X	-	-	-	-	-	Balls	Silicone	+5°F to +390°F	220
88	F-73	Manual	Manual	Moldtite, Moldmate	1/2"	X	-	-	-	-	-	Balls	FKM	+5°F to +390°F	220
90KA	F-71	Single Shut-off	Automatic	Miniature		X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
91KA	F-63	Single Shut-off	Automatic	Sub-Miniature	Various	X	X	-	-	-	-	Pins	NBR	-4°F to +210°F	500
25KF	F-32	Straight-Thru	Automatic	RECTUKEY (no interchange)	1/4"	X	X	-	-	-	-	Balls	NBR	-4°F to +210°F	500

* = AISI 316 Ti ** = AISI 316L

COUPLER GUIDE - PLASTIC						Material				Standard	Standard	Standard	
Coupler Series	Page No.	Coupler Style	Sleeve Type	Interchange	Body Size	M	POM	PVDF	CHEM+	Locking Mech.	Seal Material	Seal Temp Rating	Rated Pressure
21KB	F-68	Double Shut-off	Automatic	None	Miniature	-	X	X	-	Yes	NBR	-4°F to +210°F	150
21KF	F-65	Straight-Thru	Automatic	None	Miniature	-	X	X	-	Yes	NBR	-4°F to +210°F	150
48KB	F-114	Double Shut-off	Automatic	None	1/4"	-	X	X	X	Yes	NBR	-4°F to +210°F	0-145

COUPLER GUIDE - PLASTIC & METAL						Material				Standard	Standard	Standard	
Coupler Series	Page No.	Coupler Style	Sleeve Type	Interchange	Body Size	M	POM	R	E	Locking Mech.	Seal Material	Seal Temp Rating	Rated Pressure
71KB	F-119	Double Shut-off	Manual	ISO-B	1/8"	X	X	X	X	Balls	NBR	-4°F to +210°F	3625
72KB	F-120	Double Shut-off	Manual	ISO-B	1/4"	X	X	X	X	Balls	NBR	-4°F to +210°F	2900
73KB	F-121	Double Shut-off	Manual	ISO-B	3/8"	X	X	X	X	Balls	NBR	-4°F to +210°F	2900
74KB	F-122	Double Shut-off	Manual	ISO-B	1/2"	X	X	X	X	Balls	NBR	-4°F to +210°F	2175
75KB	F-123	Double Shut-off	Manual	ISO-B	3/4"	X	X	X	X	Balls	NBR	-4°F to +210°F	1450
76KB	F-124	Double Shut-off	Manual	ISO-B	1"	X	X	X	X	Balls	NBR	-4°F to +210°F	1450