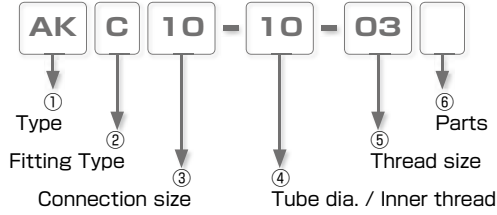


Push-In Fitting Type Molding Die Temperature Control Coupling Die Temperature Control Fitting Series

- *Push-In Fitting Type for Die Temperature Control.*
- *Thermal Oil, Clean Water and Air for Fluid Medium.*
- *No Projection left on the die, after uncoupling Plug.*
- *Stop Valve Built-In Type prevents Hot Water Ejection when uncoupling Plug.*

■ Model Designation (Example)



① Type

- AK** : With no self-seal valve (Standard type)
- AS** : With self-seal valve

② Fitting Type (No code: Thread part (socket) only)

- C** : Straight
- L** : Elbow

③ Connection size

- 08** : 08 series (Standard type only)
- 10** : 10 series

④ Tube dia. / Inner thread (No code: Thread part (socket) only)

Tube dia.	Tubing O.D. mm				Hose I.D. inch		Inner thread		
Code	6	8	10	12	ID06B	ID09B	01F	02F	03F
Size	ø6	ø8	ø10	ø12	1/4"	3/8"	Rc1/8	Rc1/4	Rc3/8

⑤ Thread size (No code: Fitting part (plug) only)

Thread size	National pipe thread			British taper pipe thread			
Code	N1U	N2U	N3U	01	02	03	04
Size	NPT1/8	NPT1/4	NPT3/8	R1/8	R1/4	R3/8	R1/2

⑥ Parts

- No code** : Plug and Socket
- P** : Plug
- S** : Socket (Thread part only)

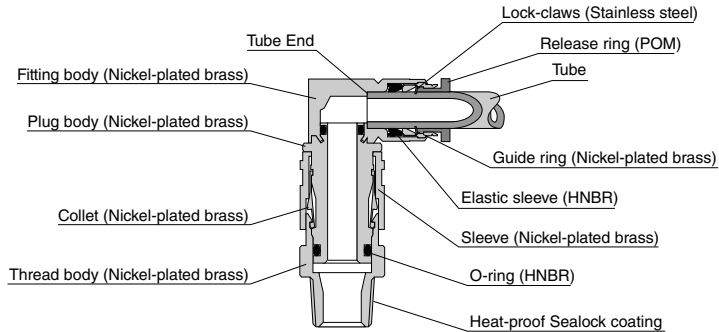
Specifications

Fluid medium	Air	Water (Clean water ※)	Heat medium oil (※)
Max. operating pressure	0.9MPa		
Max. vacuum	29.5inHg (-100kPa)	—	
Operating temp. range	32 ~ 140°F (No freezing) (0 ~ 60°C)	32 ~ 210°F (No freezing) (0 ~ 99°C)	32 ~ 248°F (No freezing) (0 ~ 120°C)

⚠ Warning

- ※ . Make sure to follow the instructions below when the fluid medium is water or heat medium oil.
1. Surge pressure must be controlled lower than max. operating pressure when using water or heat medium oil.
 2. Be sure to place Insert Ring into the tube edge when using water or heat medium oil.

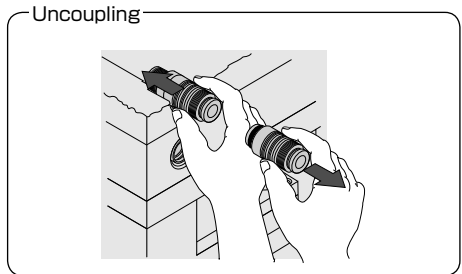
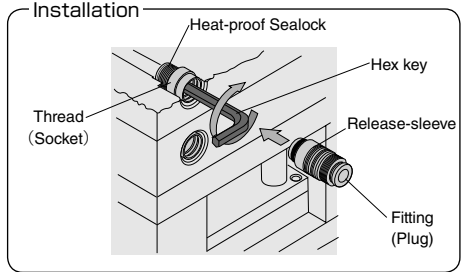
Construction (Elbow: AKL)



Die Temperature Control Fitting Series

How to install and uncouple

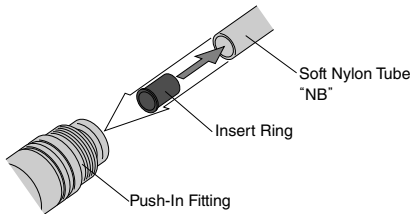
- ① Drill a hole on a molding die, based on the thread size in advance. See "Die Processing Dimension" on page 250. Use a hex key to tighten the thread of socket.
- ② Plug can be coupled with the socket by inserting only.
- ③ When uncoupling the plug, firstly push the plug until the release-sleeve stops, then pull it out. Since the socket is embedded in the die and there is no convex projection on the die surface, it is convenient to handle the die. Stop Valve built-in type is useful for safety operation by preventing the fluid from spilling out.



How to handle

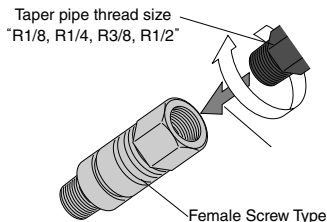
① Push-In Fitting

- Place Insert Ring into the edge of Soft Nylon Tube "NB", and insert the tube into the fitting up to the tube end.



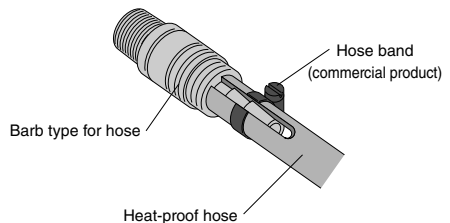
② Female Screw Type

- Connectable to taper pipe thread size "R1/8, R1/4, R3/8, R1/2".



③ Barb Type for Hose

- Use a heat-proof hose with I.D.6.3mm for ID06 and a heat-proof hose with I.D.9.5mm for ID09. Make sure to insert the barb into hose up to the barb end and fix it by a hose band which is commercially available in order to avoid the hose escape.



Standard Size List

Fitting (Plug) + Thread (Socket)

Type	B.S.P.T	NPT thread	Tubing O.D. (mm)			
			6	8	10	12
AKC Straight Combo	R1/8	NPT1/8	●	●	●	●
	R1/4	NPT1/4	●	●	●	●
	R3/8	NPT3/8	●	●	●	●
	R1/2	—	●	●	●	●
AKL Elbow Combo	R1/8	NPT1/8	●	●	●	●
	R1/4	NPT1/4	●	●	●	●
	R3/8	NPT3/8	●	●	●	●
	R1/2	—	●	●	●	●

Type	B.S.P.T	NPT thread	Female British taper pipe thread		
			Rc1/8	Rc1/4	Rc3/8
AKC-F Female Thread Combo	R1/8	NPT1/8	●	●	●
	R1/4	NPT1/4	●	●	●
	R3/8	NPT3/8	●	●	●
	R1/2	—	●	●	●

Type	B.S.P.T	NPT thread	Tubing I.D. (Inch size)	
			1/4"	3/8"
AKC-B Barb Combo	R1/8	NPT1/8	●	●
	R1/4	NPT1/4	●	●
	R3/8	NPT3/8	●	●
	R1/2	—	●	●

Fitting (Plug) only

Type	Tubing O.D. (mm)			
	6	8	10	12
AKC-P Straight Plug	●	●	●	●
AKL-P Elbow Plug	●	●	●	●

Type	Female British taper pipe thread		
	Rc1/8	Rc1/4	Rc3/8
AKC-FP Female Thread (Plug only)	●	●	●

Type	Hose I.D. (Inch size)	
	1/4"	3/8"
AKC-BP Barb (Plug only)	●	●

Thread (Socket) only

Type	Thread size (National pipe thread)		
	NPT1/8	NPT1/4	NPT3/8
AK Threaded Socket	●	●	●

Type	Thread size (British taper thread)			
	R1/8	R1/4	R3/8	R1/2
AK Threaded Socket	●	●	●	●

Stop Valve built-in Type: Fitting (Plug) + Thread (Socket)

Type	Thread size	Tube O.D. (mm)			
		6	8	10	12
ASC Straight Combo	R1/8	●	●	●	●
	R1/4	●	●	●	●
	R3/8	●	●	●	●
ASL Elbow Combo	R1/8	●	●	●	●
	R1/4	●	●	●	●
	R3/8	●	●	●	●

Type	Thread size	Thread size (Pipe taper thread)		
		Rc1/8	Rc1/4	Rc3/8
ASC-F Female Thread Combo	R1/8	●	●	●
	R1/4	●	●	●
	R3/8	●	●	●

Type	Thread size	Hose I.D. (Inch size)	
		1/4	3/8
ASC-B Barb Combo	R1/8	●	●
	R1/4	●	●
	R3/8	●	●

Stop Valve built-in Type: Fitting (Plug) only

Type	Tube O.D. (mm)			
	6	8	10	12
ASC-P Straight Plug	●	●	●	●
ASL-P Elbow Plug	●	●	●	●

Type	Thread size (Pipe taper thread)		
	Rc1/8	Rc1/4	Rc3/8
ASC-FP Female Thread Plug	●	●	●

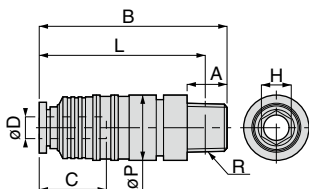
Type	Tube I.D. (Inch size)	
	1/4"	3/8"
ASC-BP Barb Plug	●	●

Screw Socket for Stop Valve built-in Type

Type	Thread size (Pipe taper thread)		
	R1/8	R1/4	R3/8
AS Threaded Socket	●	●	●

■ Plug + Socket

AKC Straight Combo



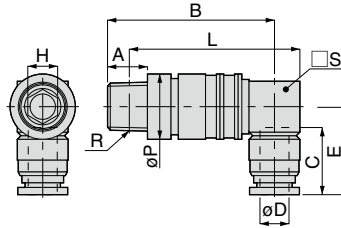
Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	Hex. H	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
AKC08-601	6	R1/8	8	44	40	15	17	5	33	4.8	13.5(0.7)
AKC08-602		R1/4	11	45.5	39.5			6	36		13.6(0.71)
AKC08-801	8	R1/8	8	44.5	40.5	15	18.5	5	31.5	5.3	18.9(1.06)
AKC08-802		R1/4	11	46	40			6	34.5	6	18.4(1.1)
AKC10-801	8	R1/8	8	49.5	45.5	18	18.5	5	52	5.3	18.4(1.1)
AKC10-802		R1/4	11	51.5				45	8	52.5	6
AKC10-803		R3/8	12		45	59		80.5		24.7(1.54)	
AKC10-804		R1/2	15	54.5	46.5	22			80.5	24.7(1.54)	
AKC10-1001	10	R1/8	8	52	48	18	21	5	52.5	5.3	18.5(1.42)
AKC10-1002		R1/4	11	54				47.5	8	53	7.5
AKC10-1003		R3/8	12		49	59.5				82.5	
AKC10-1004		R1/2	15	57	22	82.5		8.1	33.6(2.38)		
AKC10-1201	12	R1/8	8	61	57	18	23.5	5	74.5	5.3	18.5(1.5)
AKC10-1202		R1/4	11	63				56.5	8	74	7.5
AKC10-1203		R3/8	12		80.5	80.5				80.5	
AKC10-1204		R1/2	15	66	58	22		99.5	8.1	34.6(1.95)	
AKC08-6N1U	6	NPT1/8	8	44	40	15	17	5	33	4.8	13.5(0.7)
AKC08-6N2U		NPT1/4	11	45.5	39.5			6	36		13.6(0.71)
AKC08-8N1U	8	NPT1/8	8	44.5	40.5	15	18.5	5	31.5	5.3	18.9(1.06)
AKC08-8N2U		NPT1/4	11	46	40			6	34.5	6	18.4(1.1)
AKC10-8N1U	8	NPT1/8	8	49.5	45.5	18	18.5	5	52	5.3	18.4(1.1)
AKC10-8N2U		NPT1/4	11	51.5				45	8	52.5	6
AKC10-8N3U		NPT3/8	12		45	59				80.5	
AKC10-10N1U		NPT1/8	8	52	48	18		21	5		52.5
AKC10-10N2U	NPT1/4	11	54	47.5			8		53	7.5	33.5(2.35)
AKC10-10N3U	NPT3/8	12			49	59.5			82.5		8.1
AKC10-12N1U	NPT1/8	8	61	57	18	23.5	5			74.5	
AKC10-12N2U	NPT1/4	11	63				56.5	8	74	7.5	34.6(1.95)
AKC10-12N3U	NPT3/8	12		80.5	80.5				80.5		

※ "L" is a reference value for height dimension after tightening thread.

■ Plug + Socket

AKL Elbow Combo



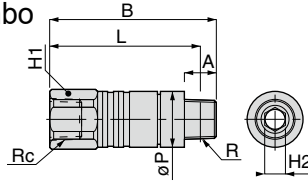
Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	□S	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
AKL08-601	6	R1/8	8	37	39	15	17	22	5	12	47	4	9.2(0.49)
AKL08-602		R1/4	11	38.5	38.5				6		50		9.5(0.5)
AKL08-801	8	R1/8	8	38	41	15	18.5	24	5	14	52.5	5.3	18.9(1.06)
AKL08-802		R1/4	11	39.5	40.5				6		55.5		18.4(1.1)
AKL10-801	8	R1/8	8	43.5	46.5	18	18.5	24	5	14	57.5	5.3	18.5(1.63)
AKL10-802		R1/4	11	45.5					46		58		18.7(1.11)
AKL10-803		R3/8	12		46				65		6		19.3(1.1)
AKL10-804		R1/2	15	48.5	47.5				22				
AKL10-1001	10	R1/8	8	45	49.5	18	21	28	5	17	87.5	5.3	18.5(1.63)
AKL10-1002		R1/4	11	47					49		88		7.5
AKL10-1003		R3/8	12		49				94.5		33.6(2.38)		
AKL10-1004		R1/2	15	50	50.5				22		117		
AKL10-1201	12	R1/8	8	50.5	56.5	18	23.5	31	5	20	127	5.3	18.8(1.69)
AKL10-1202		R1/4	11	52.5					56		126.5		7.5
AKL10-1203		R3/8	12		56				133				
AKL10-1204		R1/2	15	55.5	57.5				22		151		8.1
AKL08-6N1U	6	NPT1/8	8	37	39	15	17	22	5	12	47	4	9.2(0.49)
AKL08-6N2U		NPT1/4	11	38.5	38.5				6		50		9.5(0.5)
AKL08-8N1U	8	NPT1/8	8	38	41	15	18.5	24	5	14	52.5	5.3	18.9(1.06)
AKL08-8N2U		NPT1/4	11	39.5	40.5				6		55.5		18.4(1.1)
AKL10-8N1U	8	NPT1/8	8	43.5	46.5	18	18.5	24	5	14	57.5	5.3	18.5(1.63)
AKL10-8N2U		NPT1/4	11	45.5					46		58		6
AKL10-8N3U		NPT3/8	12		46				65		19.3(1.1)		
AKL10-10N1U		NPT1/8	8	45	49.5				18		21		28
AKL10-10N2U	NPT1/4	11	47	49		88	7.5	33.5(2.35)					
AKL10-10N3U	NPT3/8	12		49	94.5	33.6(2.38)							
AKL10-12N1U	12	NPT1/8	8	50.5	56.5	18	23.5	31		5		20	
AKL10-12N2U		NPT1/4	11	52.5					56	126.5	7.5		34.8(2.86)
AKL10-12N3U		NPT3/8	12		56				133				

※ "L" is a reference value for height dimension after tightening thread.

■ Plug + Socket

AKC-F Female Thread Combo



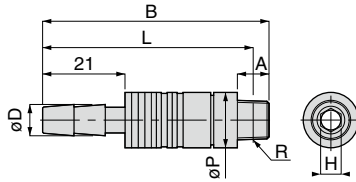
Unit : mm

Model code	Rc	R	A	B	L	øP	Hex. H1	Hex. H2	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
AKC08-01F01	Rc1/8	R1/8	8	41	37	15	14	5	35.5	5.3	19.6(1.16)
AKC08-01F02		R1/4	11	42.5	36.5			6	39	6.1	23.3(1.23)
AKC08-02F01	Rc1/4	R1/8	8	49	45	15	17	5	47	5.3	19.4(1.55)
AKC08-02F02		R1/4	11	50.5	44.5			6	50.5	6.1	23.2(1.85)
AKC10-01F01	Rc1/8	R1/8	8	42.5	38.5	18	17	5	53.5	5.3	18.7(1.15)
AKC10-01F02		R1/4	11	44.5				38	54	7.5	35(1.3)
AKC10-01F03		R3/8	12		60.5	8		60.5			
AKC10-01F04		R1/2	15	47.5	39.5	22		82.5	8.1		
AKC10-02F01	Rc1/4	R1/8	8	49.5	45.5	18	17	5	59.5	5.3	18.9(1.64)
AKC10-02F02		R1/4	11	51.5				45	60	8.1	34.8(2.64)
AKC10-02F03		R3/8	12		46.5	22		66.5			
AKC10-02F04		R1/2	15	54.5	46.5	22		88			
AKC10-03F01	Rc3/8	R1/8	8	55.5	51.5	18	21	5	75.5	5.3	18.9(1.69)
AKC10-03F02		R1/4	11	57.5				51	76	8.1	34.7(2.71)
AKC10-03F03		R3/8	12		52.5	22		82.5			
AKC10-03F04		R1/2	15	60.5	52.5	22		105			
AKC08-01FN1U	Rc1/8	NPT1/8	8	41	37	15	14	5	35.5	5.3	19.6(1.16)
AKC08-01FN2U		NPT1/4	11	42.5	36.5			6	39	6.1	23.3(1.23)
AKC08-02FN1U	Rc1/4	NPT1/8	8	49	45	15	17	5	47	5.3	19.4(1.55)
AKC08-02FN2U		NPT1/4	11	50.5	44.5			6	50.5	6.1	23.2(1.85)
AKC10-01FN1U	Rc1/8	NPT1/8	8	42.5	38.5	18	17	5	53.5	5.3	18.7(1.15)
AKC10-01FN2U		NPT1/4	11	44.5				38	54	7.5	35(1.3)
AKC10-01FN3U		NPT3/8	12		39.5	22		60.5			
AKC10-02FN1U		NPT1/8	8	49.5	45.5	18		17	5	59.5	5.3
AKC10-02FN2U	NPT1/4	11	51.5	45			60		8.1	34.8(2.64)	
AKC10-02FN3U	NPT3/8	12		46.5	22	66.5					
AKC10-03FN1U	Rc3/8	NPT1/8	8	55.5	51.5	18	21		5	75.5	5.3
AKC10-03FN2U		NPT1/4	11	57.5				51	76	8.1	34.7(2.71)
AKC10-03FN3U		NPT3/8	12		52.5			22	82.5		

※ "L" is a reference value for height dimension after tightening thread.

■ Plug + Socket

AKC-B Barb Combo



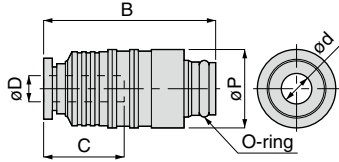
Unit : mm

Model code	Heat-proof hose I.D.	ϕD	R	A	B	L	ϕP	Hex. H	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
AKC08-ID06B01	6.3 (1/4")	8	R1/8	8	56	52	15	5	38	4.5	13.6(0.9)
AKC08-ID06B02			R1/4	11	57.5	51.5		6	41		
AKC08-ID09B01	9.5 (3/8")	12	R1/8	8	56	52	15	5	42	5.3	19.5(1.39)
AKC08-ID09B02			R1/4	11	57.5	51.5		6	45.5	6	22.4(1.54)
AKC10-ID06B01	6.3 (1/4")	8	R1/8	8	61.5	57.5	18	5	61	4.5	13.5(0.91)
AKC10-ID06B02			R1/4	11		63.5		57	8		
AKC10-ID06B03			R3/8	12	66.5		58.5	22	8		
AKC10-ID06B04			R1/2	15		83.5					
AKC10-ID09B01	9.5 (3/8")	12	R1/8	8	61.5	57.5	18	5	60.5	4.5	18.8(1.41)
AKC10-ID09B02			R1/4	11		63.5		57	8	61	7
AKC10-ID09B03			R3/8	12	66.5		58.5			22	
AKC10-ID09B04			R1/2	15		88.5		6			
AKC08-ID06BN1U	6.3 (1/4")	8	NPT1/8	8	56	52	15	5	38	4.5	13.6(0.9)
AKC08-ID06BN2U			NPT1/4	11	57.5	51.5		6	41		
AKC08-ID09BN1U	9.5 (3/8")	12	NPT1/8	8	56	52	15	5	42	5.3	19.5(1.39)
AKC08-ID09BN2U			NPT1/4	11	57.5	51.5		6	45.5	6	22.4(1.54)
AKC10-ID06BN1U	6.3 (1/4")	8	NPT1/8	8	61.5	57.5	18	5	61	4.5	13.5(0.91)
AKC10-ID06BN2U			NPT1/4	11		63.5		57	8		
AKC10-ID06BN3U			NPT3/8	12	68						
AKC10-ID09BN1U	9.5 (3/8")	12	NPT1/8	8	61.5	57.5	18	5		60.5	4.5
AKC10-ID09BN2U			NPT1/4	11		63.5		57	8	61	7
AKC10-ID09BN3U			NPT3/8	12	67.5						

※ "L" is a reference value for height dimension after tightening thread.

Plug

AKC-P Straight Plug

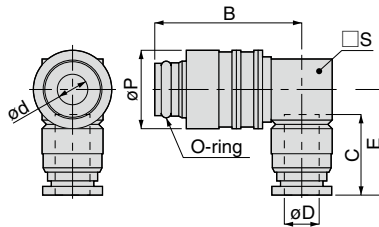


Unit : mm

Model code	Tube O.D. øD	B	øP	Tube end C	ød	Weight (g)	Orifice dia.	Recommended socket (thread only)
AKC08-6P	6	34	15	17	4.8	23	4.8	AK08-□S
AKC08-8P	8	34.5	15	18.5	6.1	21.5	6.1	AK08-□S
AKC10-8P	8	39	18	18.5	8.1	37	7	AK10-□S
AKC10-10P	10	41.5	18	21	8.1	37.5	8.1	AK10-□S
AKC10-12P	12	50.5	18	23.5	8.1	55.5	8.1	AK10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

AKL-P Elbow Plug



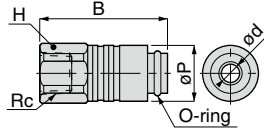
Unit : mm

Model code	Tube O.D. øD	B	øP	Tube end C	E	ød	□S	Weight (g)	Orifice dia.	Recommended socket (thread only)
AKL08-6P	6	27	15	17	22	4	12	37	4	AK08-□S
AKL08-8P	8	28	15	18.5	24	6	14	42.5	6	AK08-□S
AKL10-8P	8	33	18	18.5	24	8.1	14	42.5	6	AK10-□S
AKL10-10P	10	34.5	18	21	28	8.1	17	72.5	7.5	AK10-□S
AKL10-12P	12	40	18	23.5	31	8.1	20	108	8.1	AK10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

Plug

AKC-FP Female Thread Plug

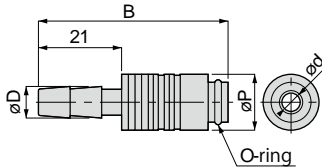


Unit : mm

Model code	Rc	B	øP	Hex. H	ød	Weight (g)	Orifice dia.	Recommended socket (thread only)
AKC08-01FP	Rc1/8	31	15	14	6.1	26	6.1	AK08-□S
AKC08-02FP	Rc1/4	39	15	17	6.1	37.5	6.1	AK08-□S
AKC10-01FP	Rc1/8	32	18	17	7.5	38	7.5	AK10-□S
AKC10-02FP	Rc1/4	39	18	17	7.5	44.5	8.1	AK10-□S
AKC10-03FP	Rc3/8	45	18	21	7.5	60	8.1	AK10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

AKC-BP Barb Plug



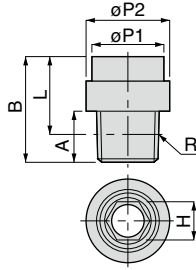
Unit : mm

Model code	Heat-proof hose I.D.	øD	B	øP	ød	Weight (g)	Orifice dia.	Recommended socket (thread only)
AKC08-ID06BP	6.3 (1/4")	8	46	15	4.5	28	4.5	AK08-□S
AKC08-ID09BP	9.5 (3/8")	12	46	15	6	32.5	6	AK08-□S
AKC10-ID06BP	6.3 (1/4")	8	51	18	4.5	46	4.5	AK10-□S
AKC10-ID09BP	9.5 (3/8")	12	51	18	7	45	7	AK10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

Socket

AK Threaded Socket



Unit : mm

Model code	R	A	B	L	$\phi P1$	$\phi P2$	Hex. H	Weight (g)	Orifice dia.
AK08-N1SU	NPT1/8	8	18.5	14.5	13	15	3/16"	10	5.3
AK08-N2SU	NPT1/4	11	20	14	13	15	7/32"	13	6.3
AK10-N1SU	NPT1/8	8	21	17	15.5	18	3/16"	15	5.3
AK10-N2SU	NPT1/4	11	23	17	15.5	18	5/16"	15.5	8.5
AK10-N3SU	NPT3/8	12	23	16.5	15.5	18	5/16"	22.5	8.5
AK08-01S	R1/8	8	18.5	14.5	13	15	5	10	5.3
AK08-02S	R1/4	11	20	14	13	15	6	13	6.3
AK10-01S	R1/8	8	21	17	15.5	18	5	15	5.3
AK10-02S	R1/4	11	23	17	15.5	18	8	15.5	8.5
AK10-03S	R3/8	12	23	16.5	15.5	18	8	22.5	8.5
AK10-04S	R1/2	15	26	18	15.5	22	8	44.5	8.5

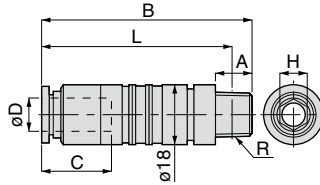
※ "L" is a reference value for height dimension after tightening thread.

※ . No compatibility with AS (Screw Socket only).

Die Temperature Control Fitting Series

■ Self-seal valve built-in / Plug + Socket

ASC Straight Combo

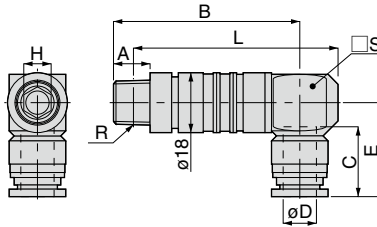


Unit : mm

Model code	Tube O.D. ϕD	R	A	B	L	Tube end C	Hex. H	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
ASC10-601	6	R1/8	8	57	53	17	5	67	5	12.6(0.66)
ASC10-602		R1/4	11		51		66.5	12.9(0.67)		
ASC10-603		R3/8	12		50.5		73	12.9(0.67)		
ASC10-801	8	R1/8	8	60.5	56.5	18.5	5	71	5.3	19.7(1.17)
ASC10-802		R1/4	11		54.5		70.5	6.3		21.9(1.27)
ASC10-803		R3/8	12		54		76.5	6.3		21.9(1.27)
ASC10-1001	10	R1/8	8	62.5	58.5	21	5	68	5.3	18.6(1.37)
ASC10-1002		R1/4	11		56.5		67.5	6.3		24.5(1.64)
ASC10-1003		R3/8	12		56		74	6.3		24.5(1.64)
ASC10-1201	12	R1/8	8	64.5	60	23.5	5	74	5.3	18.6(1.48)
ASC10-1202		R1/4	11		58.5		73.5	6.3		24.7(1.81)
ASC10-1203		R3/8	12		58		80	6.3		24.7(1.81)

※ "L" is a reference value for height dimension after tightening thread.

ASL Elbow Combo



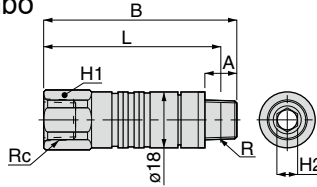
Unit : mm

Model code	Tube O.D. ϕD	R	A	B	L	Tube end C	E	Hex. H	□ S	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
ASL10-601	6	R1/8	8	53	55	17	22	5	12	79	4	9.4(0.47)
ASL10-602		R1/4	11		53			78.5		9.4(0.48)		
ASL10-603		R3/8	12		52.5			85		9.4(0.48)		
ASL10-801	8	R1/8	8	54	57	18.5	24	5	14	86	5.3	18.2(0.97)
ASL10-802		R1/4	11		55			85.5		6		18.6(1.03)
ASL10-803		R3/8	12		54.5			92		6		18.6(1.03)
ASL10-1001	10	R1/8	8	55.5	60	21	28	5	17	103	5.3	18.7(1.21)
ASL10-1002		R1/4	11		58			102.5		6.3		24(1.34)
ASL10-1003		R3/8	12		57.5			108		6.3		24(1.34)
ASL10-1201	12	R1/8	8	57	63	23.5	31	5	20	129.5	5.3	18.6(1.34)
ASL10-1202		R1/4	11		61			129		6.3		24.4(1.56)
ASL10-1203		R3/8	12		60.5			135.5		6.3		24.4(1.56)

※ "L" is a reference value for height dimension after tightening thread.

■ Self-seal valve built-in / Plug + Socket

ASC-F Female Thread Combo

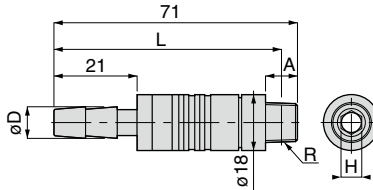


Unit : mm

Model code	Rc	R	A	B	L	Hex. H1	Hex. H2	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
ASC10-01F01	Rc1/8	R1/8	8	53	49	19	5	72.5	5.3	18.4(0.98)
ASC10-01F02		R1/4	11		47		6	72	6.3	25.9(1.14)
ASC10-01F03		R3/8	12		46.5		78.5			
ASC10-02F01	Rc1/4	R1/8	8	60	56	19	5	81.5	5.3	18.3(1.43)
ASC10-02F02		R1/4	11		54		6	81	6.3	25.9(1.73)
ASC10-02F03		R3/8	12		53.5			87		
ASC10-03F01	Rc3/8	R1/8	8	62	58	21	5	85	5.3	18.4(1.48)
ASC10-03F02		R1/4	11		56		6	84.5	6.3	25.9(1.84)
ASC10-03F03		R3/8	12		55.5			90.5		

※ "L" is a reference value for height dimension after tightening thread.

ASC-B Barb Combo



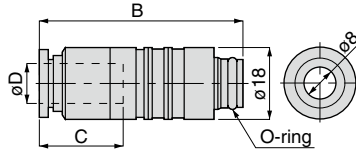
Unit : mm

Model code	Heat-proof hose I.D.	øD	R	A	L	Hex. H	Weight (g)	Orifice dia.	Effective area (CV Value) (mm ²)
ASC10-ID06B01	6.3	8	R1/8	8	67	5	69	4.5	13.2(0.83)
ASC10-ID06B02			R1/4	11	65	6	68.5		13.6(0.87)
ASC10-ID06B03			R3/8	12	64.5		75		
ASC10-ID09B01	9.5	12	R1/8	8	67	5	75.5	5.3	18.2(1.18)
ASC10-ID09B02			R1/4	11	65	6	75	6	21.2(1.34)
ASC10-ID09B03			R3/8	12	64.5		81.5		

※ "L" is a reference value for height dimension after tightening thread.

■ Self-seal valve built-in / Plug

ASC-P Straight Plug

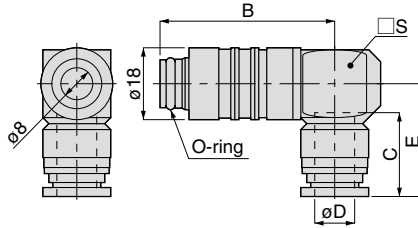


Unit : mm

Model code	Tube O.D. øD	B	Tube end C	Weight (g)	Orifice dia.	Recommended socket (thread only)
ASC10-6P	6	44.5	17	48	5	AS10-□S
ASC10-8P	8	48	18.5	52	7	AS10-□S
ASC10-10P	10	50	21	49	8.1	AS10-□S
ASC10-12P	12	52	23.5	55	8.1	AS10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

ASL-P Elbow Plug



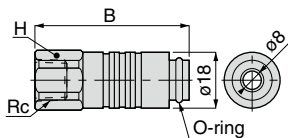
Unit : mm

Model code	Tube O.D. øD	B	Tube end C	E	□S	Weight (g)	Orifice dia.	Recommended socket (thread only)
ASL10-6P	6	40.5	17	22	12	60	4	AS10-□S
ASL10-8P	8	41.5	18.5	24	14	67.5	6	AS10-□S
ASL10-10P	10	43	21	28	17	84	7.5	AS10-□S
ASL10-12P	12	44.5	23.5	31	20	111	8.1	AS10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

■ Self-seal valve built-in / Plug

ASC-FP Female Thread Plug

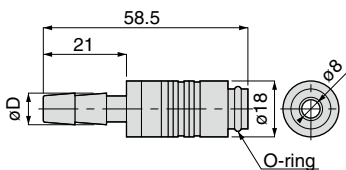


Unit : mm

Model code	Rc	B	Hex. H	Weight (g)	Orifice dia.	Recommended socket (thread only)
ASC10-01FP	Rc1/8	40.5	19	53.5	8.1	AS10-□S
ASC10-02FP	Rc1/4	47.5	19	62.5	8.1	AS10-□S
ASC10-03FP	Rc3/8	49.5	21	66	8.1	AS10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

ASC-BP Barb Plug



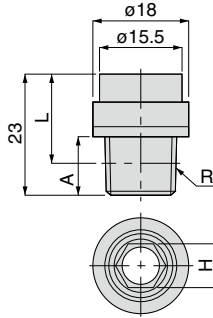
Unit : mm

Model code	Heat-proof hose I.D.	ϕD	Weight (g)	Orifice dia.	Recommended socket (thread only)
ASC10-ID06BP	6.3	8	50	4.5	AS10-□S
ASC10-ID09BP	9.5	12	56.5	6	AS10-□S

※ . □ in Recommended socket model code / Replaced with Thread size

■ Self-seal valve built-in / Plug

AS Threaded Socket



Unit : mm

Model code	R	A	L	Hex. H	Weight (g)	Orifice dia.
AS10-01S	R1/8	8	19	5	19	5.3
AS10-02S	R1/4	11	17	6	18.5	6.3
AS10-03S	R3/8	12	16.5	6	25	6.3

※ "L" is a reference value for height dimension after tightening thread.

※ . No compatibility with AK (Screw Socket only).

⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safety Instructions" and "Safety Instruction Manual".

Warning

1. Before uncoupling the plug, make sure there is no pressure in the pipe and fluid such as water and heat medium oil are under 30°C . In case these compressed fluids are still in the pipes and are over 30°C , there is a possibility that the plug jumps out and cause injury or burns.
2. Do not touch the sleeve when a compressed fluid still remains in the pipe. There is a possibility that plug can be pulled out unexpectedly by touching it physically.
3. When a plug is installed in a socket, push the plug into the socket to fix properly until it stops. It may cause a disconnection of the plug if it is installed incompletely. After installing, pull the plug toward oneself moderately to make sure it is connected properly.
4. Use Nylon Tube Series "NB" for heat medium oil. Be sure to place Insert Ring into the tube edge. There is a possibility to cause the escape of tube and a fluid leakage without Insert Ring.
5. As for barb type, use the I.D.6.3mm-heat-proof hose for ID06 and the I.D.9.5mm-heat-proof hose for ID09. Usage of improper size of hoses may result in a poor connection, the escape of hose and a fluid leakage, etc.
6. Make sure to insert the barb into hose up to the barb end and fix it by a hose band which is commercially available. There is a possibility of the hose escape or a fluid leakage by a poor connection of the barb or without the hose band.

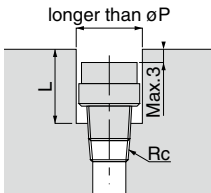
Caution

1. When the socket is embedded in a molding die, the top surface of the socket must be 3mm deep at maximum from the surface of the die. If the depth is more than 3mm, it can be difficult or impossible to uncouple the plug.
※ . Refer to "Die Processing Dimension" .

■ Die Processing Dimension

Drill a molding die as the referential dimensions "øP" and "L" in order to embed a socket.

Unit : mm



Model code	Rc	L	ø P
AK 08-01S	Rc1/8	14.5	15
AK 08-02S	Rc1/4	14	15
AK(AS) 10-01S	Rc1/8	17	18
AK(AS) 10-02S	Rc1/4	17	18
AK(AS) 10-03S	Rc3/8	16.5	18
AK 10-04S	Rc1/2	18	22