

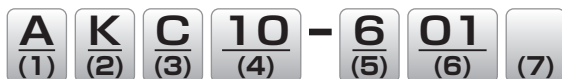
Die Temperature Control Fitting

Separable Push-in fitting for die temperature control

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Die Temperature Control Fitting Series

(2) Type

Code	K	S
Type	Standard type (without stop valve)	With stop valve

(3) Fitting type

Code	C	L	No code
Type	Straight	Elbow	Thread part (socket) only

(4) Connection size

Code	08	10
Type	8 Series (Standard type only)	10 Series

(5) Tube dia. (øD) · Female thread size (Rc)

Code	Push-in fitting type						Female thread type			Barb fitting for hose		No code
	Tube O.D. (mm)				Tube O.D. (inch)		Taper pipe thread			Tube I.D. (inch)		
	6	8	10	12	5/16	3/8	01F	02F	03F	ID06B	ID09B	
Size	ø6	ø8	ø10	ø12	ø5/16	ø3/8	Rc1/8	Rc1/4	Rc3/8	1/4	3/8	Thread part (socket) only

(6) Thread size (R)

Code	Taper pipe thread				National pipe thread tapered			No code
	01	02	03	04	N1U	N2U	N3U	
Thread size	R1/8	R1/4	R3/8	R1/2	NPT1/8	NPT1/4	NPT3/8	Fitting part (plug) only

(7) Parts

Code	P	S	No code
Parts	Plug	Socket	Plug and Socket

Characteristics

Brass for metal material and HNBR for seal material.

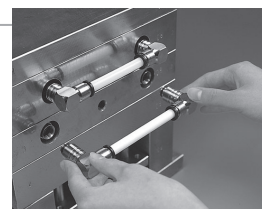
The die temperature control fitting can be used with heat medium oil, clean water or air.

Fitting part and thread part can be separated.

Prepare the molding die according to the thread size, embed the socket part in the die, using an Allen wrench, and then just fit in the plug part. No projection left on the die, after uncoupling the plug by pushing the release-sleeve.

Stop valve built-in type enables safe coupling and uncoupling.

Stop valve built-in type prevents hot water ejection when uncoupling plug. (10 series only)



Specifications

Fluid medium	Air	Water (Clean water / Conditional*)	Heat medium oil (Conditional*)
Max. operating pressure	0.9 MPa		
Max. vacuum	-100 kPa	—	
Operating temp. range	0 to 60°C (no freezing)	0 to 99°C (no freezing)	0 to 120°C (no freezing)

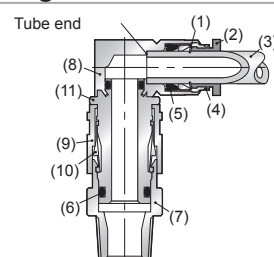
⚠ Warning

*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 as a fluid medium.
2. General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
3. Be sure to use Insert Ring (WR) when using water or heat medium oil as a fluid medium.

Sectional drawing

Elbow type: AKL

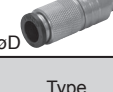


No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	POM
(3)	Tube	Nylon, Soft nylon, etc.
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	HNBR
(6)	O-ring	HNBR
(7)	Thread body	Nickel-plated brass
(8)	Fitting body	Nickel-plated brass
(9)	Sleeve	Nickel-plated brass
(10)	Collet	Nickel-plated brass
(11)	Plug body	Nickel-plated brass

Die Temperature Control Fitting

RoHS2 (2011/65/EU+EU2015/863) compliant

Standard type (without stop valve)									
Plug & Socket combination					Plug only			Socket only	
Type	Model code AKC[4]-øDR		Type	Model code AKL[4]-øDR		Type	Model code AKC[4]-øDP	Type	
Straight AKC  øD	AKC08-601		Elbow AKL  øD	AKL08-601		Straight Plug AKC  øD	AKC08-6P	Socket only AK  R *Not compatible with the type with built-in stop valve	
	AKC08-602			AKL08-602			AKC08-8P		
	AKC08-801			AKL08-801			AKC10-8P		
	AKC08-802			AKL08-802			AKC10-10P		
	AKC10-801			AKL10-801			AKC10-12P		
	AKC10-802			AKL10-802			AKC08-5/16P		
	AKC10-1001			AKL10-803			AKC10-5/16P		
	AKC10-1002			AKL10-804			AKC10-3/8P		
	AKC10-1003			AKL10-1001					
	AKC10-1004			AKL10-1002					
Model code AKC[4]-øDRU	AKC10-803		Model code AKL[4]-øDRU	AKL10-803		Elbow Plug AKL  øD	AKL08-6P	Model code AK[4]-RS(U)	
AKC08-5/16N1U	AKC10-804		AKL08-5/16N1U	AKL10-804			AKL08-8P	AK08-01S	
AKC08-5/16N2U	AKC10-1001		AKL08-5/16N2U	AKL10-1001			AKL10-8P	AK08-02S	
AKC10-5/16N1U	AKC10-1002		AKL10-5/16N1U	AKL10-1002			AKL10-10P	AK10-01S	
AKC10-5/16N2U	AKC10-1003		AKL10-5/16N2U	AKL10-1003			AKL10-12P	AK10-02S	
AKC10-5/16N3U	AKC10-1004		AKL10-5/16N3U	AKL10-1004			AKL08-5/16P	AK10-03S	
AKC10-3/8N1U	AKC10-1201		AKL10-3/8N1U	AKL10-1201			AKL10-5/16P	AK10-04S	
AKC10-3/8N2U	AKC10-1202		AKL10-3/8N2U	AKL10-1202			AKL10-3/8P	AK08-N1SU	
AKC10-3/8N3U	AKC10-1203		AKL10-3/8N3U	AKL10-1203				AK08-N2SU	
	AKC10-1204			AKL10-1204				AK10-N1SU	
Type	Model code AKC[4]-RcFR		Type	Model code AKC[4]-øDBR		Female Straight Plug AKC  Rc	AKC08-01FP	Socket only AS  R *Not compatible with standard type.	
Female Straight AKC  Rc	AKC08-01F01		Straight Barb AKC  øD	AKC08-ID06B01			AKC08-02FP		
	AKC08-01F02			AKC08-ID06B02			AKC10-01FP		
	AKC08-02F01			AKC08-ID09B01			AKC10-02FP		
	AKC08-02F02			AKC08-ID09B02			AKC10-03FP		
	AKC10-01F01			AKC10-ID06B01					
	AKC10-01F02			AKC10-ID06B02					
	AKC10-01F03			AKC10-ID06B03					
	AKC10-01F04			AKC10-ID06B04					
	AKC10-02F01			AKC10-ID09B01					
	AKC10-02F02			AKC10-ID09B02					
	AKC10-02F03			AKC10-ID09B03		Straight Barb Plug AKC  øD	AKC08-ID06BP	Model code AS10-RS	
	AKC10-02F04			AKC10-ID09B04			AKC08-ID09BP	AS10-01S	
	AKC10-03F01							AS10-02S	
	AKC10-03F02							AS10-03S	
	AKC10-03F03								
	AKC10-03F04								

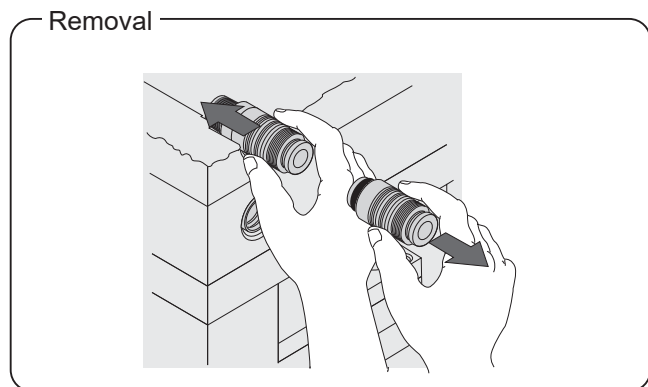
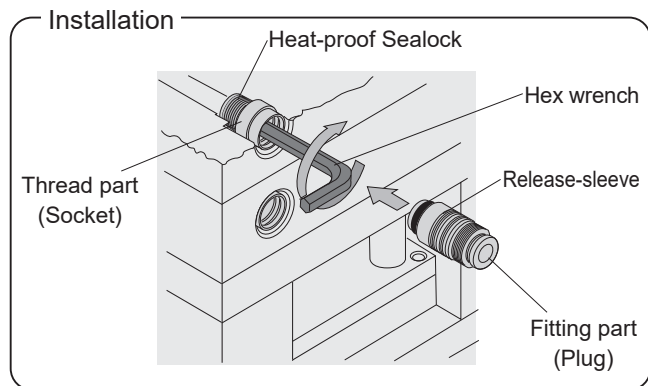
With stop valve									
Plug & Socket combination					Plug only			Socket only	
Type	Model code ASC10-øDR		Type	Model code ASL10-øDR		Type	Model code ASC10-øDP	Type	
Straight ASC  øD	ASC10-601		Elbow ASL  øD	ASL10-601		Straight Plug ASC  øD	ASC10-6P	Socket only AS  R *Not compatible with standard type.	
	ASC10-602			ASL10-602			ASC10-8P		
	ASC10-603			ASL10-603			ASC10-10P		
	ASC10-801			ASL10-801			ASC10-12P		
	ASC10-802			ASL10-802		Elbow Plug ASL  øD	ASL10-6P		
	ASC10-803			ASL10-803			ASL10-8P		
	ASC10-1001			ASL10-1001			ASL10-10P		
	ASC10-1002			ASL10-1002			ASL10-12P		
	ASC10-1003			ASL10-1003					
	ASC10-1201			ASL10-1201					
	ASC10-1202			ASL10-1202					
	ASC10-1203			ASL10-1203					
Type	Model code ASC10-RcFR		Type	Model code ASC10-øDBR		Female Straight Plug ASC  Rc	ASC10-01FP		
Female Straight ASC  Rc	ASC10-01F01		Straight Barb ASC  øD	ASC10-ID06B01			ASC10-02FP		
	ASC10-01F02			ASC10-ID06B02			ASC10-03FP		
	ASC10-01F03			ASC10-ID06B03					
	ASC10-02F01			ASC10-ID09B01					
	ASC10-02F02			ASC10-ID09B02					
	ASC10-02F03			ASC10-ID09B03					
	ASC10-03F01								
	ASC10-03F02								
	ASC10-03F03								
						Straight Barb Plug ASC  øD	ASC10-ID06BP		
							ASC10-ID09BP		

CAD data is available at PISCO website.

Packaging specifications
1 pc. /bag

■ Method of installation and removal

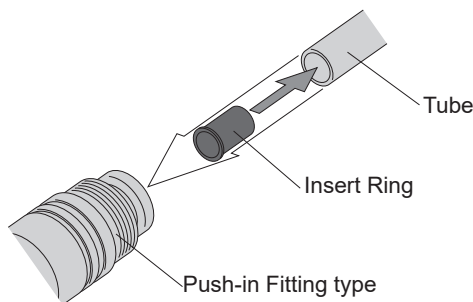
- (1) Machine the mold in advance according to the thread size (refer to the "Machining dimensions of embedding space" of the "Detailed Safety Instructions" for Die Temperature Control Fitting on PISCO website (<https://www.pisco.co.jp/en/product/a/a14/>)), and use a hex wrench to embed the thread part (socket).
- (2) The fitting part (plug) can be connected simply by inserting it later.
- (3) To remove, push the release-sleeve until it hits the thread part (socket) receiver and pull out the fitting part (plug). This is highly effective for mold management without any protrusions. Also, the stop-valve built-in type enables safe work by preventing hot water spills at the fitting part (plug) side when removing.



■ How to use

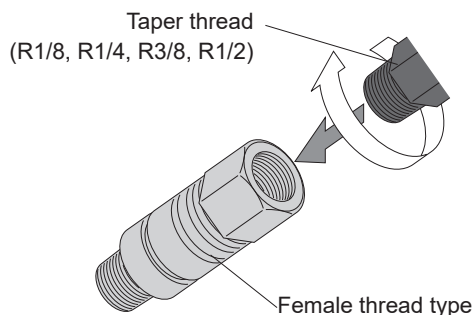
(1) Push-in Fitting type

- Put Insert Ring (WR) into the tube and push the tube up to the tube end of Push-in Fitting.



(2) Female thread type

- Supports taper thread sizes R1/8, R1/4, R3/8, and R1/2.



(3) Barb fitting for hose

- Use a heat-proof hose with I.D. 6.3 mm for ID06 code and a heat-proof hose with I.D. 9.5 mm for ID09 code. Insert the barb into the hose up to the barb end. Also, fix it with a commercially available hose band to prevent hose disconnection.

