

G72R

Irregular Tube Port Quick Connector

ONE-STOP CONNECTION

High-Pressure Testing | Face Sealing | Pneumatic Drive | Full Model Range | Simple Operation | Various Seal Materials |

The G72R series is a dedicated connector for irregular radiator ports. It seals two closely spaced ports at the same time, solving sealing problems in confined spaces. Manually operated and easy to use, its special aviation aluminum alloy body stays robust while keeping the connector light, greatly reducing operator fatigue. A full range of models covers flanged tube sealing in many sizes. The straight-through design ensures high flow performance for both gas and liquid testing.



Flange Connection Solution

- * Improved work efficiency and lower production cost
- * Reliable sealing and long service life
- * Lightweight and quick, reducing work intensity
- * Built-in locking structure, suitable for high-pressure working environments

G72R Series Quick Connector Features

1. Handle press drive

Pressing the handle opens the jaws so the test sample can be inserted; releasing the handle closes them automatically to grip the sample and complete the connection, ready for gas testing.

2. Test port

A G threaded test port at the rear, customisable as required; BSPP1/8 thread is standard.

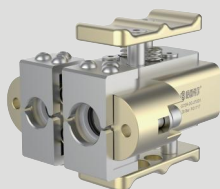
3. Aluminum body

Aviation aluminum body: light and robust.

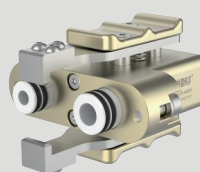
4. Stainless steel jaws

The jaws are machined from stainless steel for sufficient strength and corrosion resistance; max. pressure 50 bar.

Selected Models



G72R-2G-270D1 (Dual Tube)



G72R-2K-40D01 (Dual Port)



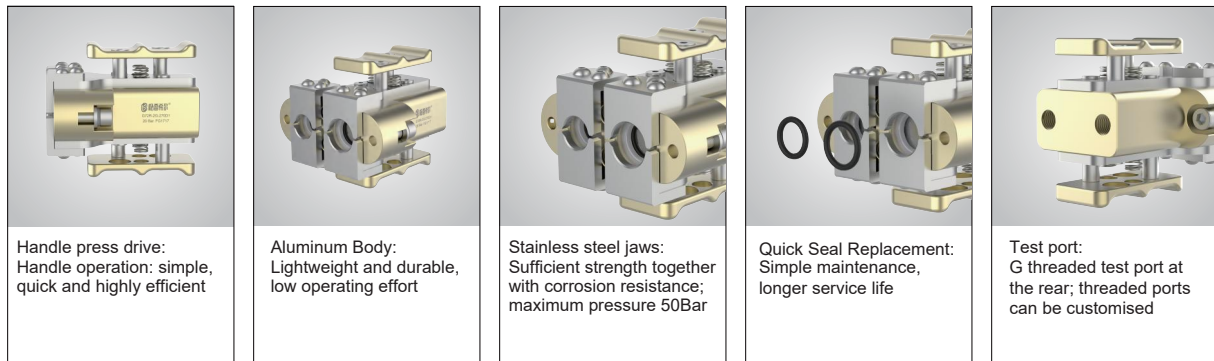
G72R-1K-155-L200 (Single Port)

G72R Irregular Tube Port Quick Connector

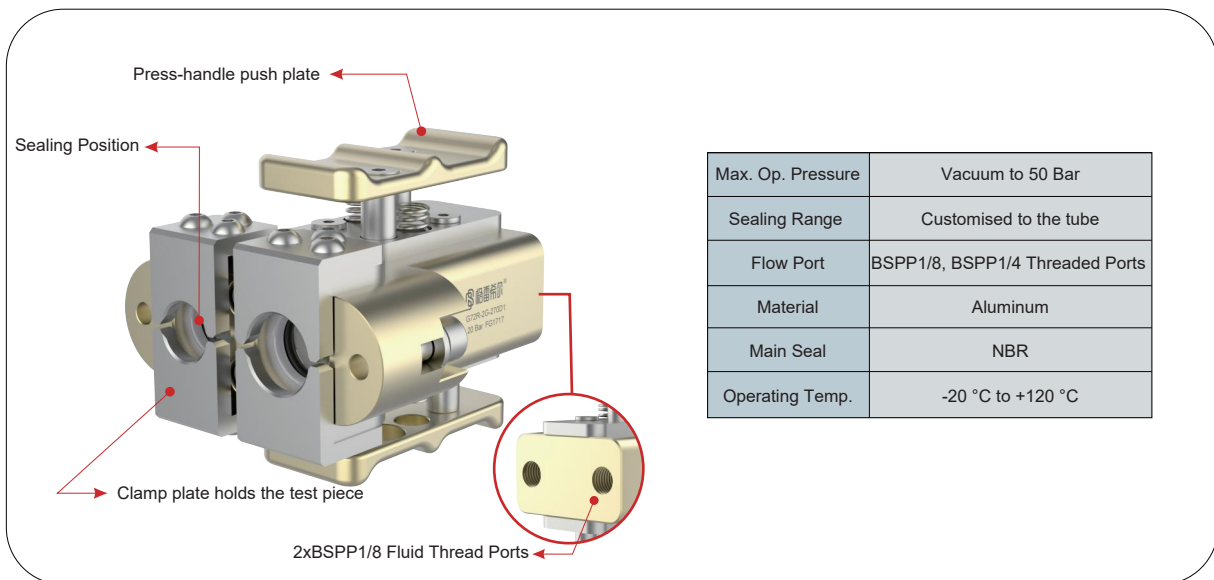
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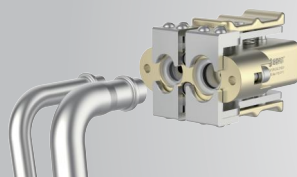
G72R Quick Connector Advantages and Features



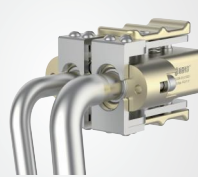
G72R Quick Connector Specifications



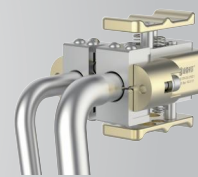
G72R Operation Demo



1. Press the handle: the jaws open.



2. Place the Insert the test piece test piece into the front test port of the G72R series



3. Release the handle: the jaws close automatically. Gas testing can then be carried out.

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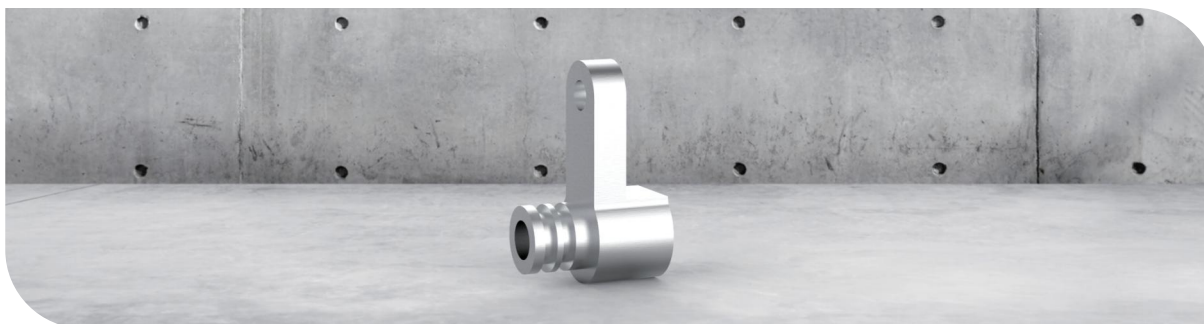
Application Cases



Evaporator Testing



Air-Conditioner Radiator Testing

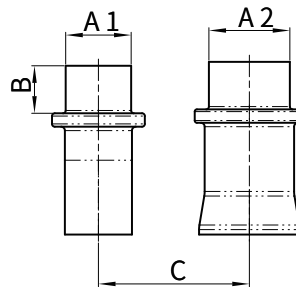
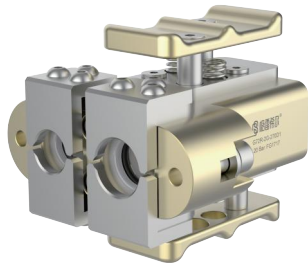


Irregular Tube Port Connection Testing

G72R Irregular Tube Port Quick Connector

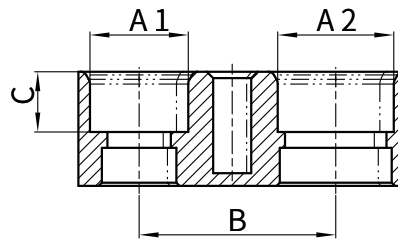
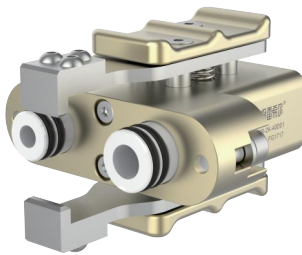
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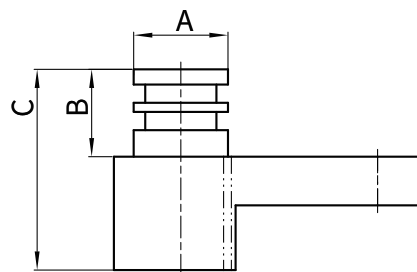
Dual-Tube Application

Model	Dim. A1	Dim. A2	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure	Jaw Material	Seal Material	Seal No.
G72R-2G-270D1	11.7	14.5	1	27	8.5	BSPP1/8	50 Bar	Stainless	NBR	"SG72R-2G-270D1-01 SG72R-2G-270D1-02"
G72R-2G-290D1	11.7	14.5	1	29	8					"SG72R-2G-290D1-01 SG72R-2G-290D1-02"



Dual-Port Application

Model	Dim. A1	Dim. A2	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure	Jaw Material	Seal Material	Seal No.
G72R-2K-310D1	15.5	18.3	1	31	9.5	BSPP1/8	50 Bar	Stainless	NBR	"SG72R-2K-310D1-01 SG72R-2K-310D1-02"
G72R-2K-350D1	15.5	18.3	1	35	9.5					"SG72R-2K-350D1-01 SG72R-2K-350D1-02"
G72R-2K-400D1	15.5	18.3	1	40	9.5					"SG72R-2K-400D1-01 SG72R-2K-400D1-02"



Single-Tube Application

Model	Dim. A1	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure	Jaw Material	Seal Material	Seal No.
G72R-1G-155D1	15.5	1	14.5	33	BSPP1/8	50 Bar	Stainless	NBR	SG72R-1G-155D1-01
G72R-1G-183D1	18.3	1	14.5	33					SG72R-1G-183D1-01

G72K Irregular Tube Port Quick Connector

ONE-STOP CONNECTION

High-Pressure Testing | Face Sealing | Pneumatic Drive | Full Model Range | Simple Operation | Various Seal Materials |

The G72K series quick sealing connector is designed for test ports with a threaded side hole. Compact and able to lock threads quickly, a small rotation presses the sealing head tight to withstand test pressures up to 50 bar. After testing, simply release the handle to remove the connector, greatly improving test efficiency. The sealing head is replaceable, made of POM, and does not damage the test port.



Side Threaded Port Connection Solution

- * Fast thread locking - no more screwing
- * Reliable sealing, economical and durable
- * Damage-free connection
- * High pressure rating, testable up to 50 bar

G72K Series Quick Connector Features

1. Handle drive

After docking, turn the handle over and the jaws open automatically to lock the thread; turning clockwise by a small amount locks the connector to ensure leak-tightness for high-pressure testing.

2. Customisable interface

Aluminum body, with the threaded locking pin and sealing head as standard parts; the body can be customised and the interface flexibly configured.

3. Damage-free sealing

The sealing head is made of POM, so it does not damage high-precision test ports

Selected Models



G72K-S1901-155M8



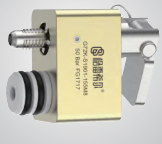
G72K-S4001-183102M6

G72K Irregular Tube Port Quick Connector

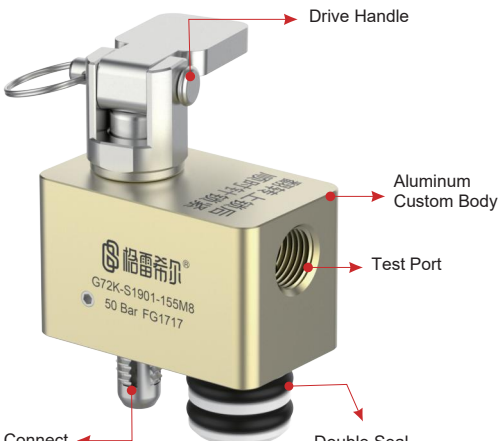
ONE-STOP CONNECTION

High-Pressure Testing | Face Sealing | Pneumatic Drive | Full Model Range | Simple Operation | Various Seal Materials |

G72K Quick Connector Advantages and Features

				
Handle drive: Flip the handle to lock, simple and convenient	Aluminum Body: Lightweight and durable, low operating effort	Quick thread connection: High-strength jaws, stable and reliable	Quick Seal Replacement: Seals are easy to replace and maintenance is simple	Test port: G threaded test port at the side, threaded ports can be customised

G72K Quick Connector Specifications



Max. Op. Pressure	Vacuum to 50 Bar
Sealing Range	Customised to the product
Flow Port	BSPP1/8, BSPP1/4 Threaded Ports
Material	Aluminum
Main Seal	NBR
Operating Temp.	-20 °C to +120 °C

G72K Operation Demo



1. Insert the front of the connector into the bore to be sealed



2. Fold the handle down



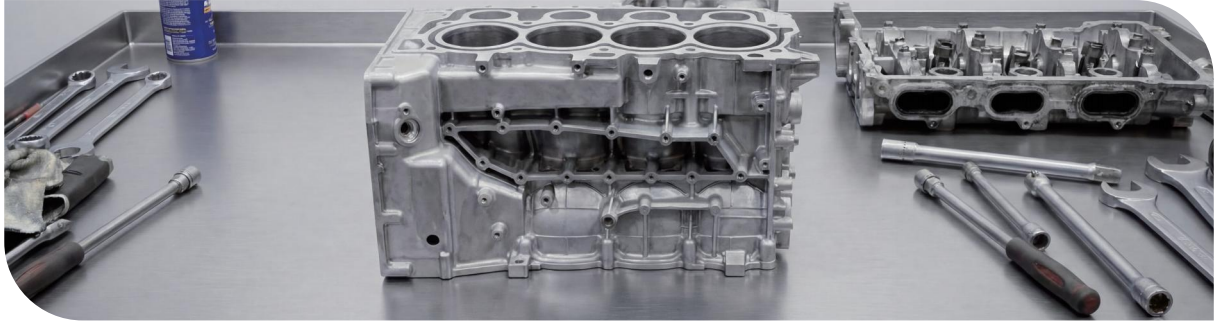
3. Turn the handle clockwise to complete the connection

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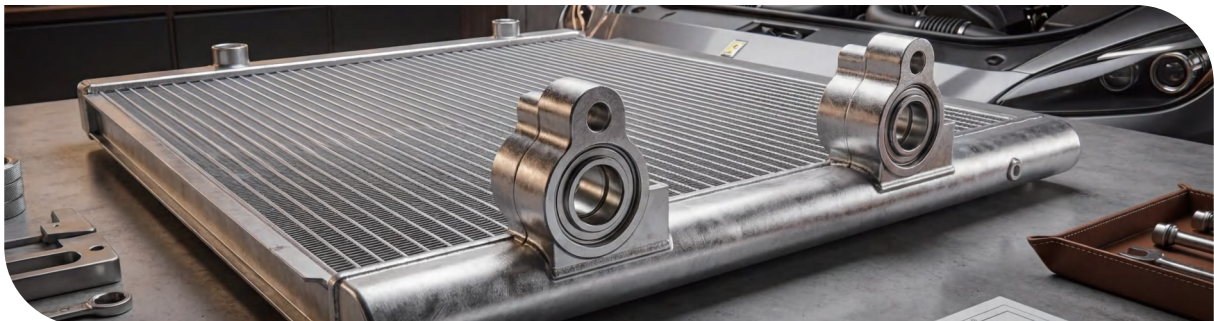
Application Cases



Engine Cooling Water Port



Battery Pack Refrigerant Port

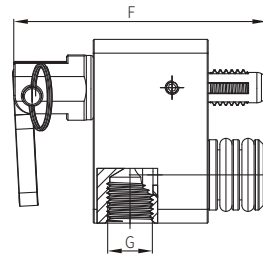
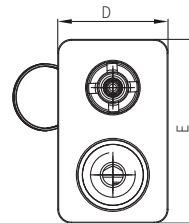
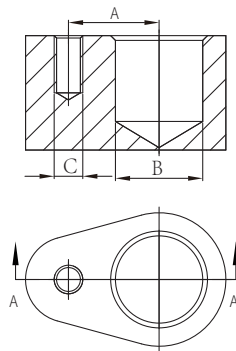


Radiator Refrigerant Port

G72K Irregular Tube Port Quick Connector

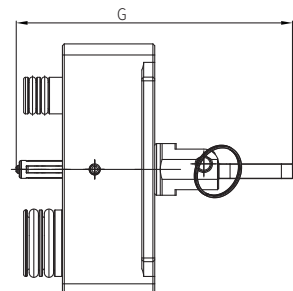
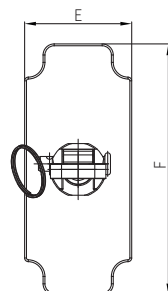
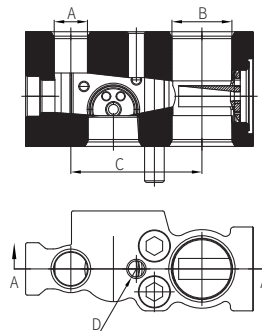
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Single-Port Application

Model	Max. Pressure	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Seal Material	Seal No.
G72K-S1901-155M6	50Bar	19.0	15.5	M6	19	46	55	BSPP 1/8	NBR	SG72K-S1901-155M6
G72K-S1901-183M6		19.0	18.3	M6	19	46	55	BSPP 1/8	NBR	SG72K-S1901-183M6
G72K-S1901-155M8		19.0	15.5	M8	24	40	55	BSPP 1/8	NBR	SG72K-S1901-155M8
G72K-S1901-183M8		19.0	18.3	M8	24	40	55	BSPP 1/8	NBR	SG72K-S1901-183M8



Dual-Port Application

Model	Max. Pressure	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Seal Material	Seal No.
G72K-S4001-183102M6	50Bar	10.2	18.3	40	M6	29	68	75	NBR	SG72K-S4001-183102M6