

G85 Male Threaded Quick Connector

ONE-STOP CONNECTION

Instant | Easy | Standard | Premium |

The G85 series is a male threaded connector, widely used for plugging and connecting various male threaded ports such as water heaters and instruments. Various drive options suit manual and pneumatic applications.



Male Thread Connection Solution

- * Face seal, easy to replace
- * Lever operation reduces operating effort
- * Various drive options for different scenarios
- * Stainless steel: robust and reliable

G85 Series Quick Connector Features

1. Modular drive

Three operation modes - pneumatic, push-button valve and lever - meet the requirements of every application.

2. Face seal

Simple and reliable, easy to replace, low maintenance cost and a choice of materials for different fluids.

3. 316 stainless steel construction

Excellent mechanical properties: strong and wear-resistant, greatly extending connector service life.

4. Max. pressure 350 Bar

Suits all kinds of high-pressure test applications, such as pressure sensors and hydraulic valves.

5. High flow

The large internal flow bore greatly reduces flow loss

Selected Models

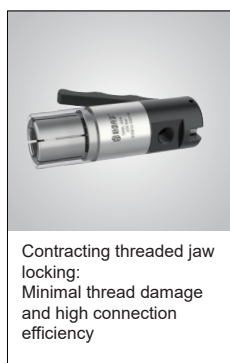


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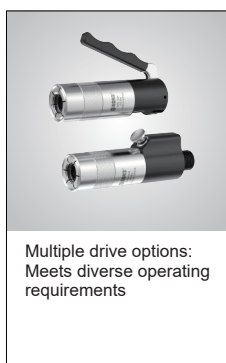
G85 Quick Connector Advantages and Features



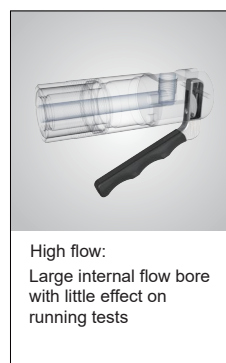
Contracting threaded jaw locking:
Minimal thread damage and high connection efficiency



316 stainless steel body: excellent mechanical properties and a very high pressure rating



Multiple drive options:
Meets diverse operating requirements



High flow:
Large internal flow bore with little effect on running tests



Face seal:
Simple replacement, easy maintenance

G85 Quick Connector Specifications



Max. Op. Pressure	Vacuum to 350 Bar
Sealing Range	See the relevant selection table
Male Thread Height	See the relevant selection table
Flow Port	BSPP1/8, BSPP1/4, BSPP3/8
Material	316 Stainless
Main Seal	NBR
Inner Seal	NBR
Operating Temp.	-20 °C to +120 °C

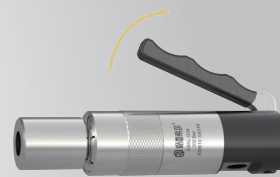
G85 Operation Demo



Step 1: Press the handle down.



Step 2: Insert the test tube into the connector.



Step 3: Release the handle to complete the connection.

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Application Cases



Gas Stove



Wall-Hung Water Heater

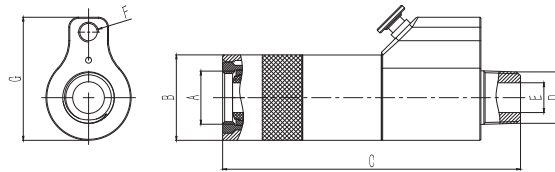


Toilet

G85 Male Threaded Quick Connector

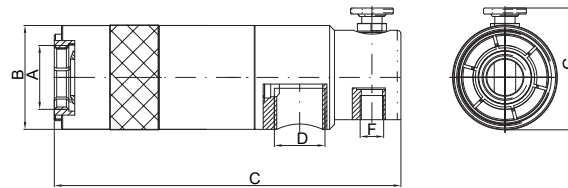
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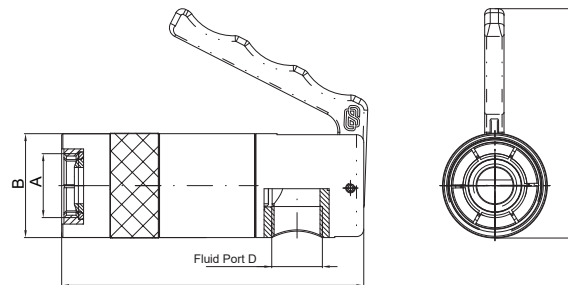
Water Heater Model Specification Table (Straight-Through)

Model	Body No.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Max. Pressure	Main Material	Seal Material	Seal No.
G85V-085	85V1	BSPP1/2	38	150	BSPT1/2 Male, Direct	12	BSPP1/8	55	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-085
G85V-125	85V2	BSPP3/4	43	150	BSPT3/4 Male, Direct	15	BSPP1/8	62	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-125



Water Heater Model Specification Table (Side Exit)

Model	Body No.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. F	Dim. G	Max. Pressure	Main Material	Seal Material	Seal No.
G85V-085HF	85HFV1	BSPP1/2	38	135	BSPP3/8 Female, Side	BSPP1/8	38	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-085
G85V-125HF	85HFV2	BSPP3/4	43	143.5	BSPP1/2 Female, Side	BSPP1/8	50.5	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-125



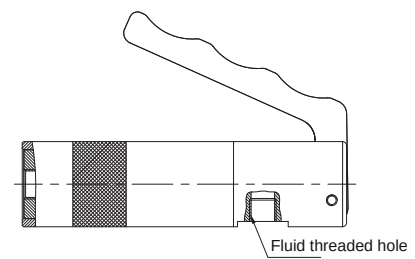
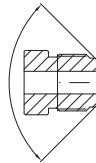
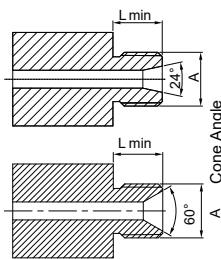
Water Heater Model Specification Table (Handle)

Model	Body No.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. G	Max. Pressure	Main Material	Seal Material	Seal No.
G85L-G02-A001	85L1	BSPP1/4	31.7	125	BSPP1/8 Female, Side	81.5	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-G02
G85L-G03-A001	85L1	BSPP3/8	31.7	125	BSPP1/8 Female, Side	81.5	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-G03
G85L-G04-A001	85L2	BSPP1/2	43	125	BSPP1/2 Female, Side	95	20 Bar	Stainless steel + aluminum alloy	Neoprene	SG85-G04

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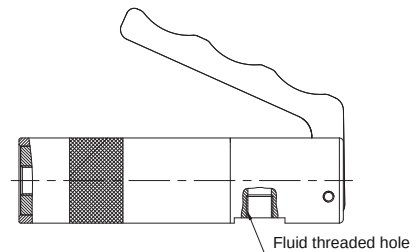
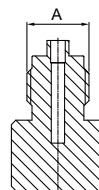


Male Thread (Internal Cone)

Model	Dim. A	Internal Cone Angle	Body No.	Male Thread Height L	Fluid Threaded Port	Max. Pressure	Material	Seal Material	Seal No.
G85L-M12E-A601	M12X1.5	60°	1	9	BSPP1/8	350 Bar	316 SS	NBR	SG85-M12E-A601
G85L-M14E-A601	M14X1.5	60°							SG85-M14E-A601
G85L-M16E-A601	M16X1.5	60°							SG85-M16E-A601
G85L-G02-A601	BSPP1/4	60°							SG85-G02-A601
G85L-G03-A601	BSPP3/8	60°							SG85-G03-A601
G85L-M12D-A241	M12x1.25	24°							SG85-M12D-A241
G85L-M12E-A241	M12x1.5	24°							SG85-M12E-A241
G85L-M14E-A241	M14x1.5	24°							SG85-M14E-A241
G85L-M16E-A241	M16x1.5	24°							SG85-M16E-A241
G85L-M14E-A242	M14x1.5	24°							SG85-M14E-A242
G85L-M12E-A251	M12x1.5	25°							SG85-M12E-A251
G85L-M10E-A901	M10x1.5	90°							SG85-M10E-A901
G85L-M12E-A901	M12x1.5	90°							SG85-M12E-A901
G85L-M10E-A902D	M10x1.5	90°							SG85-M10E-A902D
G85L-M12E-A902D	M12x1.5	90°							SG85-M12E-A902D
G85L-M14E-A901	M14x1.5	90°							SG85-M14E-A901

Male Thread (External Cone)

Model	Dim. A	External Cone Angle	Body No.	Male Thread Height L	Fluid Threaded Port	Max. Press.	Material	Seal Material	Seal No.
G85L-M14E-B741	M14x1.5	74°	1	9	BSPP1/8	100Bar	316 SS	NBR	SG85-M14E-B741
G85L-U06-B601	UNF9/16-18	90°	1	15	BSPP1/4	200Bar			SG85-U06-B601
G85L-M22E-B901	M22X1.5	90°	2	12	BSPP1/4	50 Bar			SG85-M22E-B901



G85 Instrumentation Model Specification Table

Model	Male Thread Dim. A	Body No.	Male Thread Height L	Fluid Port	Max. Pressure	MaterialSeal	Material	Seal No.
G85C-G01	BSPP1/8	1	9	BSPP1/8	350 Bar	316 SS	NBR	SG85C-G01
G85C-G02	BSPP1/4	1						SG85C-G02
G85C-G04	BSPP1/2	2						SG85C-G04
G85C-M10C	M10x1.0	1						SG85C-M10C
G85C-M14E	M14x1.5	1						SG85C-M14E
G85C-M20E	M20x1.5	2						SG85C-M20E