

G65 Straight-Through Female Threaded Connector

ONE-STOP CONNECTION

Straight-Through | Sliding Sleeve | Female Thread | Built-in Valve | High Flow | Locking |

The G65 is a connector designed for female threaded ports. With a large through-bore and high flow, it withstands up to 400 kg of pressure. A built-in shut-off relief valve prevents the test medium from escaping, making it widely used for filling and charging with various gas and liquid media.



Straight-Through Female Threaded Quick Connector

- * Secure against loosening with a firm connection
- * Large flow bore that does not affect testing
- * Very high pressure rating - testing up to 400 kg
- * Self-sealing design prevents the test medium from overflowing

G65 Series Quick Connector Features

1. Anti-loosening clip

Once the connector is locked, twisting the housing locks it further to prevent loosening.

2. Built-in overflow shut-off valve

An overflow shut-off valve is built into the connector. When not connected to a threaded port the valve stays closed, preventing the test medium from overflowing.

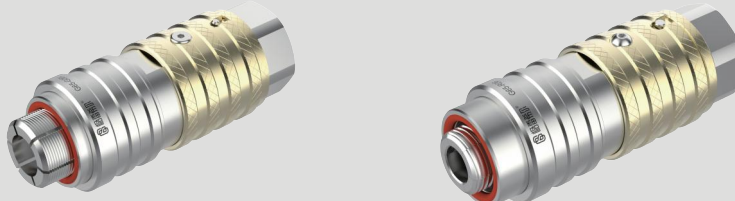
3. Pressure up to 400 kg

The connector assembly uses high-performance stainless steel: it withstands high pressure and resists rust and corrosion.

4. Straight-through design

A straight-through flow channel greatly reduces loss of test pressure and flow (versions without a shut-off valve only)

Selected Models

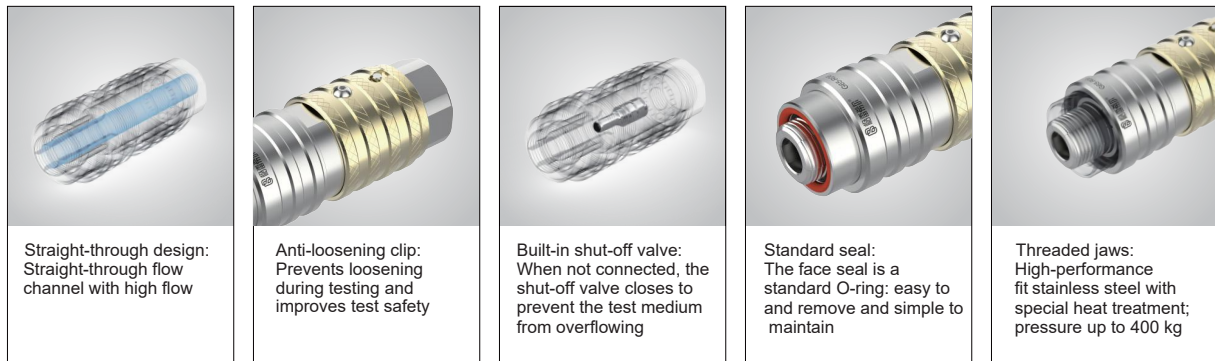


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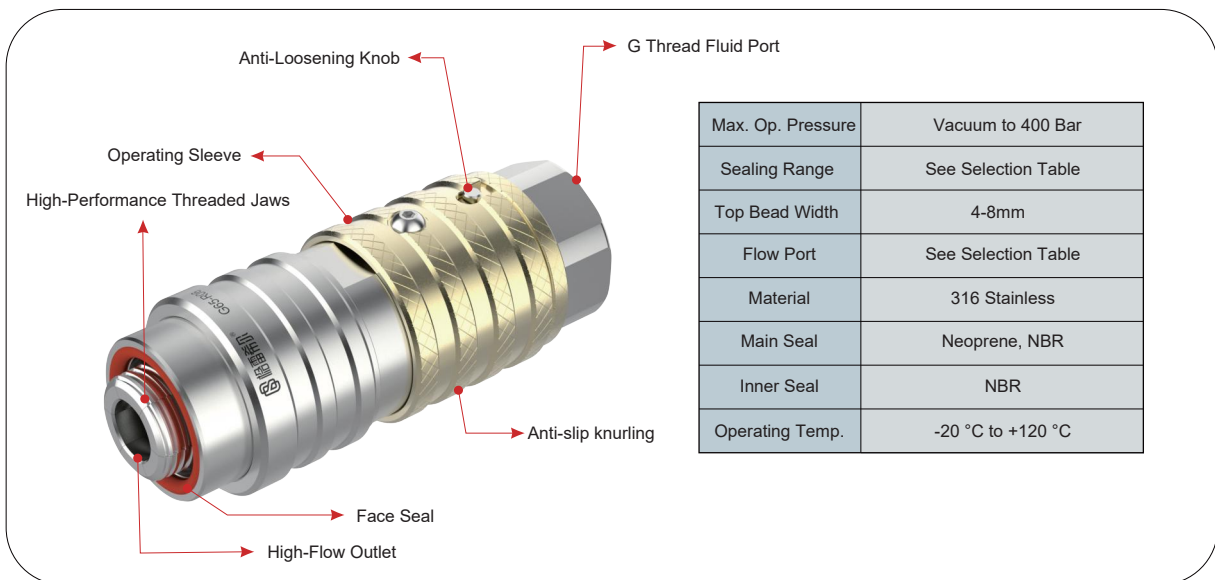
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G65 Quick Connector Advantages and Features

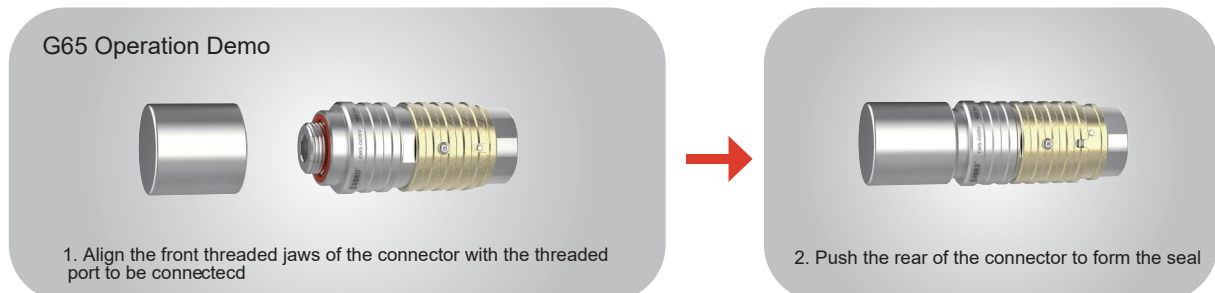


G65 Quick Connector Specifications



Thanks to high flow, high pressure and anti-overflow performance, the G65 series is the best connection solution for liquid pressure testing, running testing and flow testing.

G65 Operation Demo



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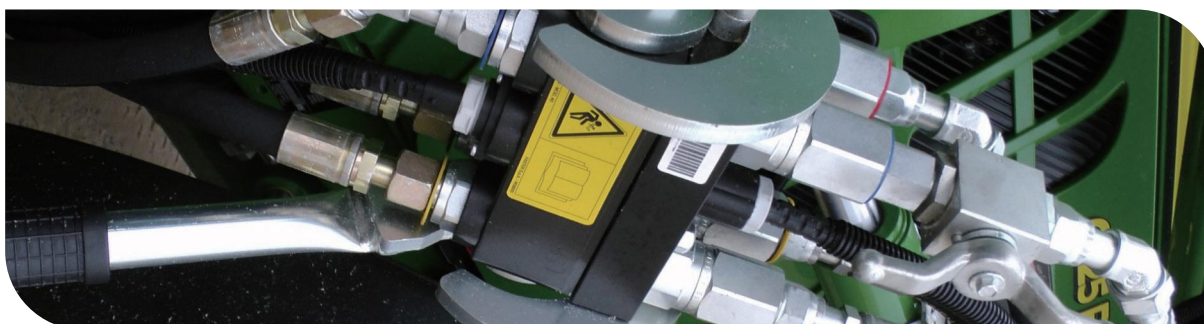
Application Cases



Pressure Transmitter



High-Pressure Testing

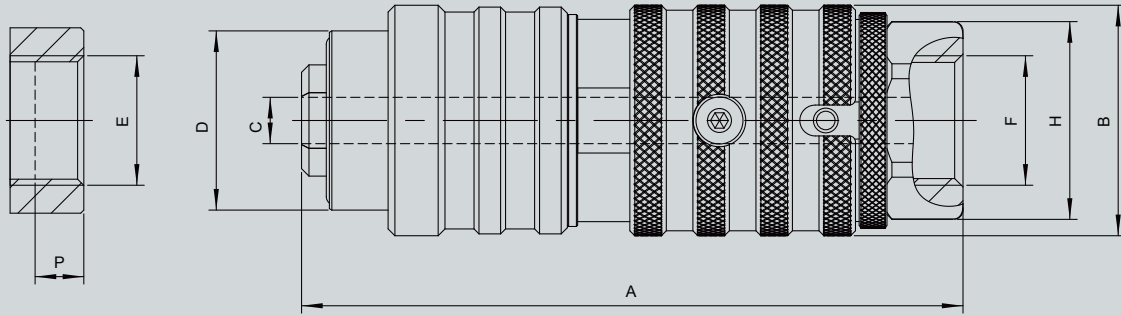


Hydraulic Connection

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Body No.	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	P (mm)	SH (mm)
2	71	25	5	20	BSPP1/4"	6.5	20
3	85	32	6	25	BSPP3/8"	6.5	21
4	107	37	7.5	29	BSPP1/2"	10	29
6	113	43	12	36	BSPP3/4"	12	35
8	126	54	15	44	BSPP1"	15	45

G65 Pipe Thread Specification Table

Model	Female Thread Dim. E	Body No.	Insertion Depth(mm)	Rear Thread Port	Flow Dia. (mm)	Max. Pressure	Material	Seal Material	Seal No.
G65V-G02 (with valve) G65-G02	BSPP1/4"	2	6.5	BSPP1/4"	5	400Bar	Stainless	NBR	SG65-02
G65V-G03 (with valve) G65-G03	BSPP3/8"	3	6.5	BSPP3/8"	6				SG65-03
G65V-G04 (with valve) G65-G04	BSPP1/2"	4	10	BSPP1/2"	7.5				SG65-04
G65V-G06 (with valve) G65-G06	BSPP3/4"	6	12	BSPP3/4"	12				SG65-06
G65V-G08 (with valve) G65-G08	BSPP1"	8	15	BSPP1"	15				SG65-08

G65 Taper Pipe Thread Specification Table

Model	Female Thread Dim. E	Body No.	Insertion Depth(mm)	Rear Thread Port	Flow Dia. (mm)	Max. Pressure	Material	Seal Material	Seal No.
G65V-R02 (with valve) G65-R02	BSPT1/4"	2	6.5	BSPP1/4"	5	400Bar	Stainless	NBR	SG65-02
G65V-R03 (with valve) G65-R03	BSPT3/8"	3	6.5	BSPP3/8"	6				SG65-03
G65V-R04 (with valve) G65-R04	BSPT1/2"	4	10	BSPP1/2"	7.5				SG65-04
G65V-R06 (with valve) G65-R06	BSPT3/4"	6	12	BSPP3/4"	12				SG65-06
G65V-R08 (with valve) G65-R08	BSPT1"	8	15	BSPP1"	15				SG65-08

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G65 Metric Thread Specification Table

Model	Female Thread Dim.E	Body No.	Insertion Depth(mm)	Rear Thread Port	Flow Dia. (mm)	Max. Pressure	Material	Seal Material	Seal No.
G65V-M14E (with valve) G65-M14E	M14x1.5	2	6.5	BSPP1/4"	5	400Bar	Stainless	NBR	SG65-M14
G65V-M16E (with valve) G65-M16E	M16x1.5	3	6.5	BSPP3/8"	6				SG65-M16
G65V-M18E (with valve) G65-M18E	M18x1.5								SG65-M18
G65V-M20E (with valve) G65-M20E	M20x1.5	4	10	BSPP1/2"	7.5				SG65-M20
G65V-M22E (with valve) G65-M22E	M22x1.5								SG65-M22
G65V-M24E (with valve) G65-M24E	M24x1.5	6	12	BSPP3/4"	12				SG65-M24
G65V-M27E (with valve) G65-M27E	M27x1.5								SG65-M27
G65V-M30E (with valve) G65-M30E	M30x1.5	8	15	BSPP1"	15				SG65-M30
G65V-M33E (with valve) G65-M33E	M33x1.5								SG65-M33

Selected Customised Models



G65LRV-M18E



G65-M22E-6149

All GripSeal connectors are designed with safety built in from the start. However, users of the connectors are responsible for designing their own safety precautions, to avoid property damage caused by incorrect sizing or other reasons. Safety chains, protective nets, protective cages or dedicated fixtures are all good protective measures. GripSeal can also provide, or help customers identify, potential safety hazards.

GripSeal offers additional non-standard sealing solutions - please contact us anytime if required!