



G100 SERIES



TYPE G105



Back check valves allow flow in only one direction and are normally closed. They are installed in liquid filling connections on stationary storage tanks, bobtail delivery trucks and liquid transfer lines.

### G100 Series

**G100 Series** – used mainly in tank inlet connections, are offered in two styles of seat construction: metal-to-metal or soft seat. The soft seated construction is for the filling connection on bobtail delivery trucks. Because the valve gives tight shutoff, piping on the bobtail can be depressurized for maintenance or repair without leakage. The G100 Series has a 250 psi / 17.2 bar rating and bubbles at 0.25 psid / 17 mbar d. Standard product temperature rating is -20 to 160°F / -29 to 71°C.

**Type G109** – was designed for in-line service at bulk plants with FNPT connections for easy installations.

### G100 Series Back Check Valves

SEAT CONSTRUCTION	CONTAINER OR INLET CONNECTION, IN.	OUTLET CONNECTION, IN.	PROPANE FLOW CAPACITY AT 10 psig / 0.69 bar DIFFERENTIAL PRESSURE		TYPE	
			GPM	l/min	Brass	Steel
Metal-to-Metal	3/4 MNPT	3/4 FNPT	21	79.5	G100	----
	1-1/4 MNPT	1-1/4 FNPT	55	208	G101	----
	2 MNPT	2 FNPT	150	568	G102	G112
	2 FNPT	2 FNPT	150	568	G109	----
	3 MNPT	3 FNPT	250	946	----	G104
Soft Seat	2 MNPT	2 MNPT and 1-1/4 FNPT	137.5	520	----	G105
	3 FNPT	2 MNPT	254	961	----	G106
	3 MNPT	3 MNPT and 2 FNPT	254	961	----	G107



TYPE G201



### G200 Series

**G200 Series** – back check valves are specifically intended for heavy-duty in-line service at the bulk plant's transfer area. The valves are suitable for LPG or Anhydrous Ammonia (NH<sub>3</sub>) service.

Flow moves the spring loaded poppet to the open position as soon as pressure differential is created. When flow stops, the poppet closes. A soft seat construction gives tight shutoff so that piping can be blown down for maintenance.

With a body designed to reduce flow resistance, flow capacity is high. The 2 in. / DN 50 body size gives 350 GPM / 1325 l/min LPG at 10 psig / 0.69 bar differential pressure.

The G200 Series is built to stay on the job with all internal parts of plated steel or stainless steel.

**Type G201** – has a built-in flow indicator mechanism, (see illustration), which can be used to replace sight flow indicators.

## Specifications

### Types G200 and G201

**Pressure Rating:** 400 psig / 28 bar WOG

**Temperature Rating:** -20 to 160°F / -29 to 71°C

**Body:** Ductile iron

**Internal Parts:** Plated steel or stainless steel

**Seat Disc:** Synthetic rubber with metal-to-metal backup

### G200 Series Back Check Valves

SEAT CONSTRUCTION	CONTAINER OR INLET AND OUTLET CONNECTION, IN.	PROPANE FLOW CAPACITY AT 10 psig / 0.69 bar DIFFERENTIAL PRESSURE		TYPE	
		GPM	l/min	Ductile Iron	
				No Flow Indicator	Flow Indicator
Soft Seat	1-1/4 FNPT	190	719	G200-10	G201-10
	2 FNPT	350	1325	G200-16	G201-16
	3 FNPT	800	3028	G200-24	G201-24