



Check-Flex® G5 Inline Check Valve

The Check-Flex® G5 valve is the latest generation of inline check valve and offers a smooth upstream profile with a full 150° roof connection. The G5 is built from radial layers of fabric reinforced rubber, which are hot vulcanised into a single piece valve. The unique fold away design of the inner sleeve delivers near full port flow and fast drainage.

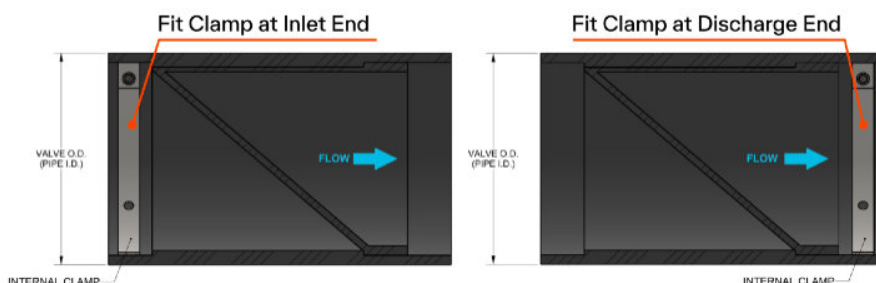
The valve combines a Sealing Gasket, Moving Flap and Container into a single integrated product. The one piece design allows the valve to flex without the point stress of assembled designs. There is no hinge mechanism to be maintained.

Check-Flex® valves are made from from ■ASTM D2000 specification rubber reinforced with fibre mesh and hi-tensile steel wire. These wire and mesh elements are fully encased during vulcanisation resulting in a single tough product, similar to modern tyres.

This tough one piece reinforced construction has a long service life in all drainage conditions. Check-Flex® valves have a 4 year warranty.

CF-IL-G5 model: Insert Direct to Pipe IDP

Insert Direct to Pipe - place the clamp in the valve and expand to create a watertight seal to the pipe wall.



Sealing directly to the pipe means no work to the existing wall opening or benching. Angled pipe openings, ring manholes and damaged pipe ends, need no extra work as the installer can recess the valve into these pipes to make the valve-to-pipe seal.

Inline valves OIS v2.2

Tough Reinforced Vulcanised Construction

See how Check-Flex® inline valves work.

[Go to Product Video](#)

Install to existing drainage

Ideal solution for backflow in commercial sites.

Minimal head loss, with a Cv range of 0.79 to 85, ensures that the current drainage system remains functional.

Fits to circular chamber outlet

Outlet install means chamber will not surcharge.

Easy inspection from above ground.

Universal Clamp fits either end of pipe

The expanding clamp is can be placed at either end of the valve

The valve wall is the gasket

Outlet install means chamber will not surcharge.

Easy inspection from above ground.

Check-Flex® Inline Check Valve Model Selection IDP

Pipe Internal Diameter mm	Model	Kg	Length mm	Foul	Storm
75-80	CF-IL-RESI-80		180		☒
93-101	CF-IL-RESI-100-CE		215	☒	☒
98-106	CF-IL-G5-S0100	1.1	190		☒
98-106	CF-IL-RESI-110-CE		230	☒	☒
106-114	CF-IL-S0100 + S0100-GASK		190		☒
114-125	CF-IL-RESI-125-CE		270	☒	☒
145-154	CF-IL-RESI-150-CE		330	☒	☒
149-155	CF-IL-G5-S0150	3.3	255		☒
156-168	CF-IL-G5-S0150 + S0150-GASK		255		☒
169-175	CF-IL-G5-S0170		255		☒
176-179	CF-IL-G5-S0170 + S0170-GASK		255		☒
180-186	CF-IL-G5-S0180		255		☒
183-200	CF-IL-RESI-200-CE		420	☒	☒
187-199	CF-IL-G5-S0180 + S0180-GASK		255		☒
200-206	CF-IL-G5-S0200	6	306		☒
207-222	CF-IL-G5-S0200 + S0200-GASK		306		☒
223-228	CF-IL-G5-S0225	7	360	☒	☒
229-236	CF-IL-G5-S0225 + S0225-GASK		360	☒	☒
237-243	CF-IL-G5-S0237	8	360	☒	☒
244-249	CF-IL-G5-S0237 + S0237-GASK		360	☒	☒
250-255	CF-IL-G5-S0250	9	360	☒	☒
256-274	CF-IL-G5-S0250 + S0250-GASK		360	☒	☒
275-282	CF-IL-G5-S0275	10	460	☒	☒
283-291	CF-IL-G5-S0275 + S0275-GASK		460	☒	☒
292-300	CF-IL-G5-S0292	12	460	☒	☒
297-304	CF-IL-G5-S0300	13	460	☒	☒
305-347	CF-IL-G5-S0300 + S0300-GASK		460	☒	☒
348-356	CF-IL-G5-S0350	22	560	☒	☒
357-371	CF-IL-G5-S0350 + S0350-GASK		560	☒	☒
372-379	CF-IL-G5-S0375	23	560	☒	☒
380-398	CF-IL-G5-S0375 + S0375-GASK		560	☒	☒

Select Pipe Diameter

Add extra Gasket if needed

Small Pipes 100-200mm

BS-EN13564:2001 applies to foul service inside buildings (there is no standard for larger pipes)

Choose CE marked RESI model for residential foul pipes.

Two year warranty

Road Drainage 100-200mm

Choose G5 valve with fibre reinforcement.

Four year warranty

Pipe length to install valve

Check-Flex® inline valves seal to the pipe and must be fully inserted.

For shorter pipe lengths use a Guvnu plate to install

Max Reverse Pressure Rating

Check-Flex® inline valves [Standard]

Sizes 100-300mm rated: 12m

Sizes 350-1200mm rated: 6m

Specify higher rating to order

Extra Gasket detail

☐ ☐ ☐ ☐ mm Pipe ID

☐ Inlet End clamp

☐ Discharge End clamp

Check-Flex® G5 Inline Check Valve Model Selection IDP

Pipe Internal Diameter mm	Model	Kg	Length mm	Foul	Storm
399-413	CF-IL-G5-S0400	31	580		☒
414-445	CF-IL- G5-S0400 + S0400-GASK		580	☒	☒
446-460	CF-IL-G5-S0450	49	580		☒
461-497	CF-IL-G5-S0450 + S0450-GASK		580	☒	☒
498-510	CF-IL-G5-S0500	71	720		☒
511-517	CF-IL-S0500 + S0500-GASK		720	☒	☒
518-532	CF-IL-G5-S0525	82	720	☒	☒
533-564	CF-IL-G5-S0525 + S0525-GASK		720		☒
565-577	CF-IL-G5-S0565	87	905		☒
578-592	CF-IL-G5-S0565 + S0565-GASK		905		☒
593-605	CF-IL-G5-S0600	93	920		☒
606-667	CF-IL-G5-S0600 + S0600-GASK		920		☒
668-684	CF-IL-G5-S0675	158	1100	☒	☒
685-744	CF-IL-G5-S0675 + S0675-GASK		1100		☒
745-755	CF-IL-G5-S0750	186	1120		☒
756-792	CF-IL-G5-S0750 + S0750-GASK		1120		☒
793-810	CF-IL-G5-S0800	210	1190	☒	☒
811-890	CF-IL-G5-S0800 + S0800-GASK		1190	☒	☒
891-905	CF-IL G5-S0900	292	1320	☒	☒
906-982	CF-IL-G5-S0900 + S0900-GASK		1320	☒	☒
983-1002	CF-IL-G5-S1000	354	1420	☒	☒
1003-1036	CF-IL-G5-S1000 + S1000-GASK		1420	☒	☒
1037-1055	CF-IL-G5-S1050	384	1504	☒	☒
1056-1090	CF-IL-G5-S1050 + S1050-GASK		1504	☒	☒
1091-1110	CF-IL-G5-S1100	410	1504	☒	☒
1111-1190	CF-IL-G5-S1100 + S1100-GASK		1504	☒	☒
1191-1205	CF-IL-S1200	680	1740	☒	☒
1205-2400	Made to Order			☒	☒

Select Pipe Diameter

Add extra Gasket if needed

Pipe length to install valve

Check-Flex® inline valves seal to the pipe and must be fully inserted.

For shorter pipe lengths use a Guvnu plate to install

Extra Gasket detail

☐ ☐ ☐ ☐ exact pipe ID mm

☐ Inlet End clamp

☐ Discharge End clamp

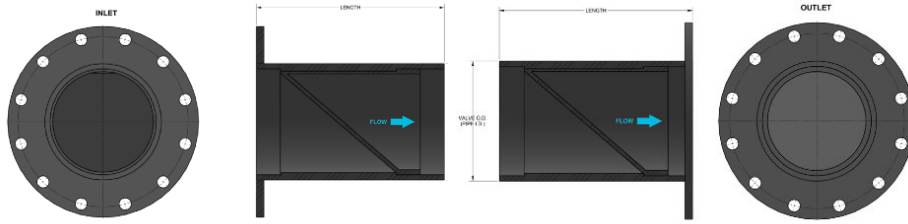
Max Reverse Pressure Rating

Check-Flex® inline valves [Standard]

Sizes 100-300mm rated: 12m

Sizes 350-1200mm rated: 6m

Specify higher rating to order



CF-ILDF-G5 and CF-ILIF-G5 Flanged models

Flanged models connect to mating flanges on existing pipes. There is no difference in the pressure rating of the flanged models compared to the IDP models.

In civil headwalls, the bolt circle may meet the end of PCC pipes and this should be checked to ensure sufficient embedment clearance for anchors.

The thick [27-40mm] rubber flange is the gasket. There is a retaining plate encapsulated within the rubber.

The flange drill pattern and discharge end ILDF or inlet end ILIF must be specified.

CF-IL-GUVNU models

Custom stainless steel mounting frame to suit site.
Designed for fast installation



Replacement for four failed flap valves



Large GUVNU 2700mm diameter

Flange drill pattern detail

Pipe Diameter

DN

PN

- ☐ **ILDF** Discharge Flange
☐ **ILIF** Inlet Flange

2700mm Inline GUVNU valve

Check-Flex® Guvnu assembly on 2700mm diameter ESO rated 8m.

Installed 2018

<https://check-flex.link/2700mm>