



INJECTION UNITS

General

Injection units connect the dosing line with the process line. They ensure a minimum counterpressure of 0.7 bar and avoid backflow of the dosing liquid.

In general they include:

- Injection pipe with immersion depth of 120 mm. PP, PVC and PVDF versions can be shortened.
- Spring-loaded non-return valve
- Hose or pipe connection set (PVC, PP, PVDF)
- Pipe connection set (stainless steel)

Injection units for special applications

Injection units with ball valve

Injection units with ball valve are used for applications where the injection point must be closable. The ball valve is placed between the injection pipe and the spring-loaded non-return valve. Thus, the dosing line can be completely disconnected from the process. The non-return valve can be disassembled and cleaned without stopping the process and emptying the process line.

Injection units with lip valve

Injection units with lip valve are typically used to add sodium hypochlorite solution to water with a high carbonate content. The FKM lip prevents crystallisation and blocking caused by alkali carbonate reactions at the point of injection.

Injection units with removable injection pipe

These injection units are used where regular cleaning of the injection pipe is required.

The construction allows the removal of the injection pipe from the process line without stopping the process water flow. The injection point can be closed with the integrated ball valve. The immersion depth of the injection pipe can be adjusted.

Hot-injection units with ball valve

Hot-injection units with ball valve can be used for direct injection of the dosing medium into processes with a high process water temperature.

A bendable cooling pipe separates the hot parts installed on the process line from the non-return valve and the dosing line connection. A ball valve is installed between the cooling pipe and the injection pipe. The ball valve, the injection pipe and the cooling pipe are made of stainless steel.

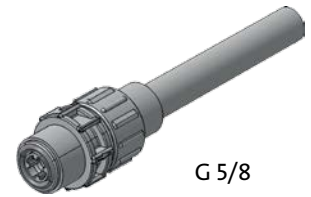
Technical data

Standard injection units

Max. flow rate [l/h]	Max. pressure [bar]	Material Body
60	16	PP, PVC or PVDF
	100	Stainless steel
460	10	PVC
		PP
		PVDF
	16	Stainless steel



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Injection units with ball valve

Max. flow rate [l/h]	Max. pressure [bar]	Material Body
60	16	PVC
	64	Stainless steel
460	10	PVC
	16	Stainless steel



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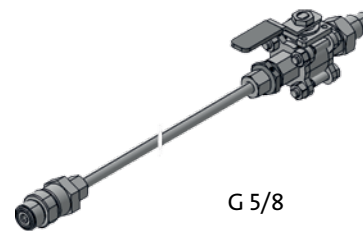


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Hot-injection units with ball valve

Max. flow rate [l/h]	Max. pressure [bar]	Material Body*
60	16	PVDF
	64	Stainless steel

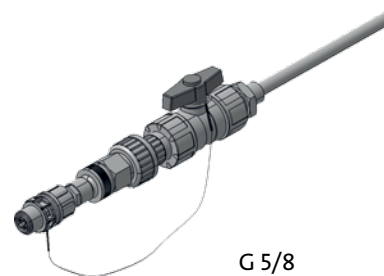
* Valve body and connection kit. Injection pipe, ball valve and cooling pipe are generally made of stainless steel.



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Injection units with removable injection pipe

Max. flow rate [l/h]	Max. pressure [bar]	Material Body
60	10	PVC



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Injection units with lip valve

Max. flow rate [l/h]	Max. pressure [bar]	Material Body
60	16	PVC



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