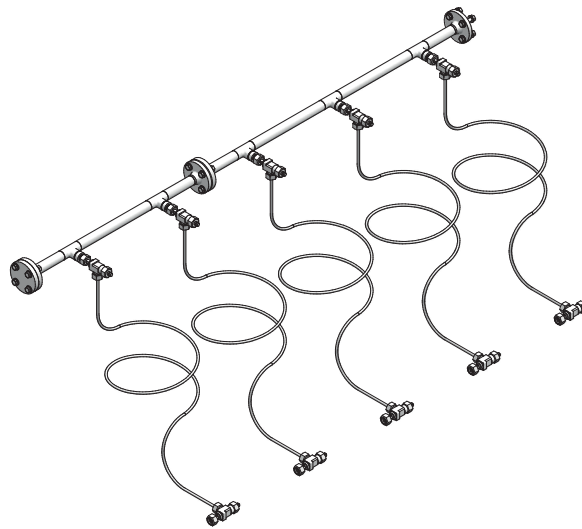


Constantly under pressure

Pressurized manifold



Constantly under pressure

Only a restricted amount of chlorine can be withdrawn from chlorine cylinders and chlorine drums at any one time. The max. possible flow rate using chlorine cylinders or chlorine drums is insufficient for many installations. Manifolds represent one solution. These combine multiple chlorine flows and feed the system via a line. Supply is performed using either gaseous or fluid chlorine. A pressurized manifold connects all tanks forming a single pressure system so that chlorine is withdrawn simultaneously from all tanks.

In general

- Throughput of up to 2600 kg Cl₂/h
- Consists of parts with 1, 2 or 3 connections for chlorine tanks each
- For up to 8 chlorine tanks
- Made of anti-corrosion-coated steel
- Including flexible connection lines
- Including connection flanges, e.g. for mounting further manifolds
- Available as an option with auxiliary valves and corner valves

Technical data

Max. flow rate	liquid chlorine	kg Cl ₂ /h	2600 (at 20 °C and 1 m/s)
	chlorine gas	kg Cl ₂ /h	400 (at 20 °C and 10 m/s)
Pressure stage			PN40
Nominal width	manifold		DN25
	flexible connection line		DN6
Materials	manifold		Coated plain steel
	flexible connection line		Galvanically coated copper
	auxiliary valve, corner valve		Bronze, Monel, PTFE
Weights	cylinders	kg	~ 4.5 (per connection)
	drums	kg	~ 6 (per connection)
	auxiliary valve, corner valve	kg	~ 0.6 each (per valve)

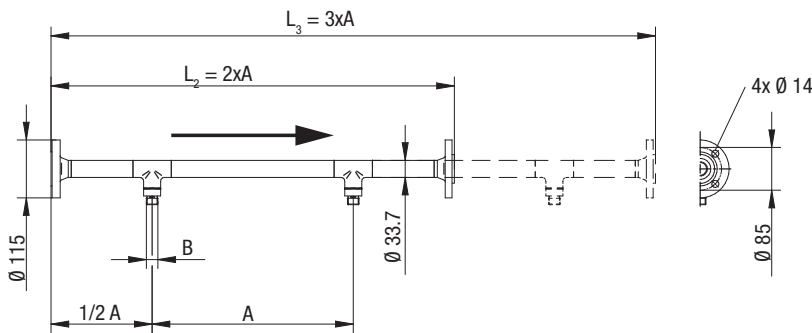
Scope of delivery

The pressurized manifold is delivered including:

- Pressurized manifold (depending on the number of connections in sections) consisting of a manifold and flexible connection lines
- Flange connections (screws, nuts, U-washers and seals)
- Blind flange
- Pipe clamps with mounting hardware
- WAF 32 open-end spanner for operating the corner valves
- Optional: Auxiliary valve, corner valves

Dimensions

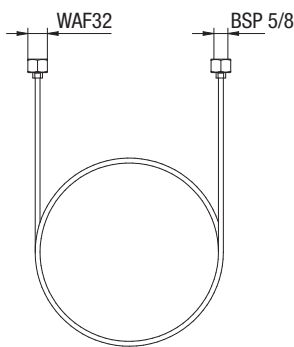
Manifold



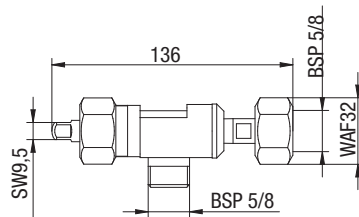
The length of the manifold is calculated from the number of connections for the flexible connection lines multiplied by the respective dimension A

Scale	Value	
A	with chlorine cylinders	400 mm
	with chlorine drums	1000 mm
B	BSP 5/8 (BS341)	
Input side flange	DN25/PN40 with groove (according to EN 1092-1, Form D)	
Output side flange	DN25/PN40 with spring (according to EN 1092-1, Form C)	

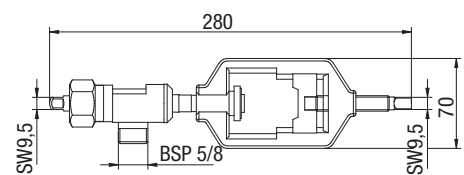
Flexible connection line



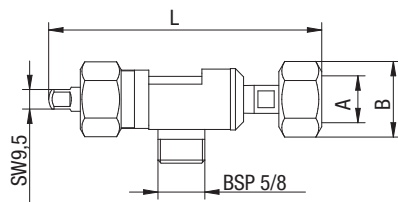
Corner valve



Auxiliary valve with YOKE connection



Auxiliary valve with union nut



All dimensions in mm

A Thread	Standard	B Width across flats	L
BSW 1"	DIN 477	WAF32	139 mm
BSP 5/8	BS 341	WAF32	136 mm
BSP 3/4	AS 2473	WAF32	145 mm
1.30" - 14 NGO	CGA V-1 (660)	WAF32	134 mm
BSW 1 1/4"	DIN 4676	WAF41	155 mm
M26 x 3	-	WAF32	146 mm

Accessories

Catchpots with flange connection

Heating for catchpots

30 W, 120 V or 240 V, with 3 m cable without plug, with mounting material

Nitrogen flushing device

Pressure reducer with gauge, interconnection line and flange connection to manifold