

Sinorix™

## Fittings

IG-01, IG-55, IG-100, IG-541, CO2, H2O Gas, FK-5-1-12, HFC-227ea



### Fittings for pilot circuit and discharge piping

- For use in the pilot circuit and discharge piping of an automatic gas extinguishing system

Product code: Refer to the "Type summary" section

## Use

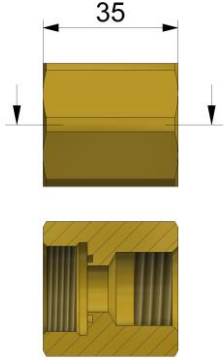
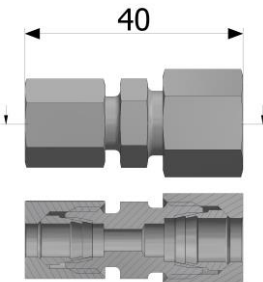
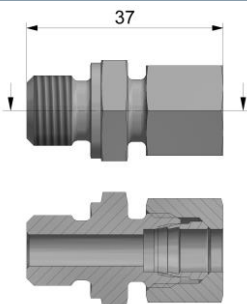
These products must only be used with Sinorix™ fixed automatic extinguishing systems.

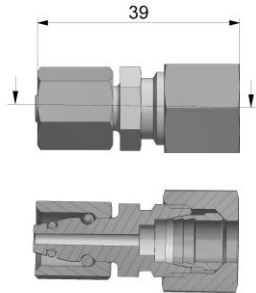
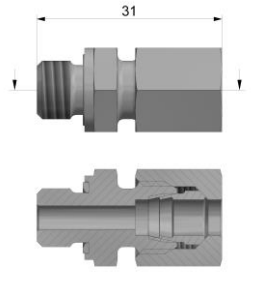
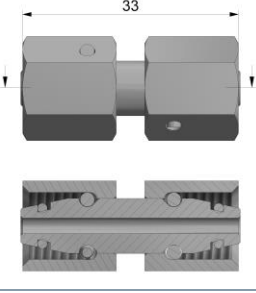
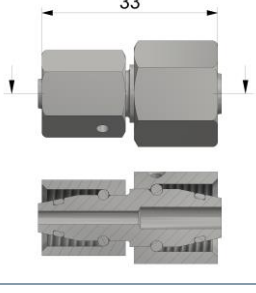
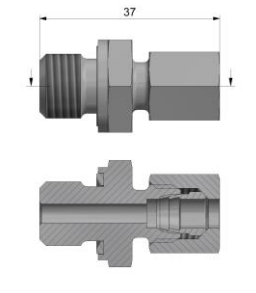
## Functions

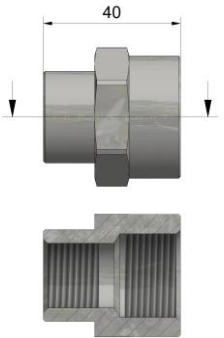
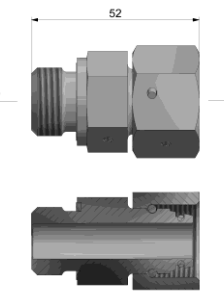
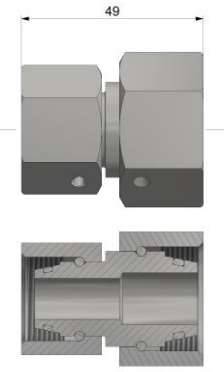
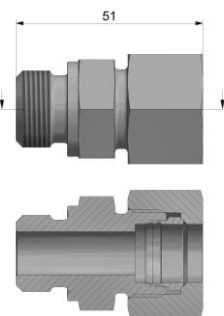
The fittings allow the connection of various components (e.g. pipes, valves, hoses, pressure reducers, alarm horns, etc.) of a gas extinguishing system.

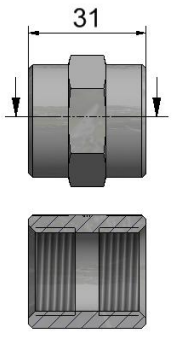
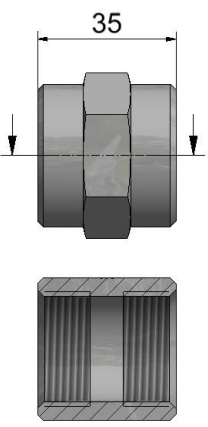
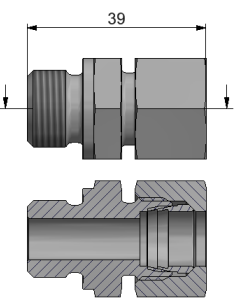
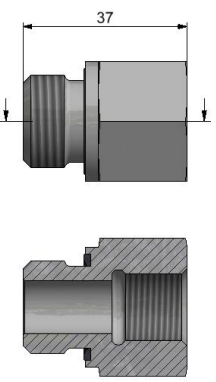
## Type summary

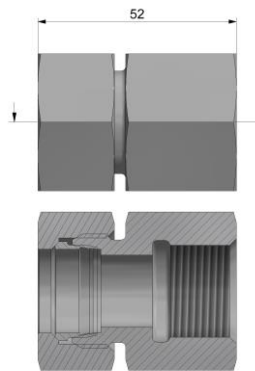
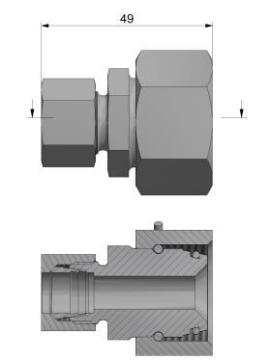
### Straight fittings

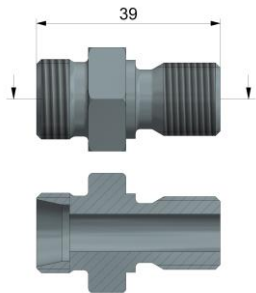
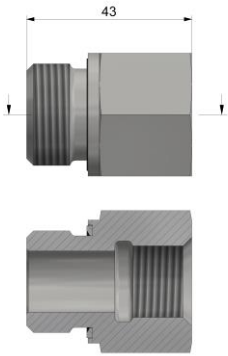
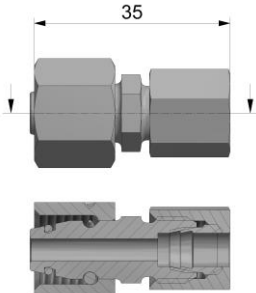
Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-206	S54476-B790-A2	Brass	Female M24x1.5	Female G 1/2"	32	
FIT-901	A5Q00047389	Galvanized steel	Male M12x1.5 L6	Male M14x1.5 L8	14/17	
FIT-903	A5Q00047387	Galvanized steel	Male G 1/4"	Male M14x1.5 L8	19/17	

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-905	A5Q00047390	Galvanized steel	Female M12x1.5 L6	Male M14x1.5 L8	14/17	
FIT-906	A5Q00047388	Galvanized steel	Male G 1/8"	Male M12x1.5 L6	14	
FIT-909	S54476-B790-A3	Galvanized steel	Female M12x1.5 L6	Female M12x1.5 L6	14	
FIT-910	S54476-B790-A4	Galvanized steel	Female M12x1.5 L6	Female M14x1.5 L8	14/17	
FIT-911	S54476-B790-A5	Galvanized steel	Male G 1/4"	Male M12x1.5 L6	19/14	

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-912	A5Q00039052	Galvanized steel	Female G 1/2"	Female G 3/4"	36	
FIT-913	A5Q00032140	Galvanized steel	Male G 1/2"	Female M24x1.5 S16	27/30	
FIT-914	A5Q00039048	Galvanized steel	Female M24x1.5 S16	Female M30x2 S20	30/36	
FIT-915	A5Q00032109	Galvanized steel	Male G 1/2"	Male S16	27/30	

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-920	A5Q00039051	Galvanized steel	Female G 1/2"	Female G 1/2"	30	
FIT-921	S54476-B790-A7	Galvanized steel	Female G 3/4"	Female G 3/4"	36	
FIT-944	A5Q00032138	Galvanized steel	Male G 3/8"	Male M18x1.5 L12	22	
FIT-945	A5Q00032141	Galvanized steel	Male G 1/2"	Female G 3/8"	27	

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-946	A5Q00039043	Galvanized steel	Male M30x2 L22	Female G 3/4"	36	
FIT-948	A5Q00039046	Galvanized steel	Male M18x1.5 L12	Female M30x2 L22	27/36	

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-949	S54476-B19-A1	Stainless steel	Male G 3/8"	Male M18x1.5 L12	22	
FIT-950	S54476-B790-A9	Galvanized steel	Male G 3/4"	Female G 1/2"	32	
FIT-951	S54476-B790-A12	Galvanized steel	Female M14x1.5 L8	Male M12x1.5 L6	17/14	

## Elbow fittings

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-205	S54476-B790-A1	Brass, galvanized steel	Male M12x1.5 L6	Female M24x1.5	32	<p>74</p>
FIT-904	A5Q00047385	Galvanized steel	Male M14x1.5 L8	Male M14x1.5 L8	17	<p>39</p> <p>39</p>
FIT-907	A5Q00041818	Galvanized steel	Male G 1/2"	Female G 1/2"	27	<p>49</p> <p>51</p>

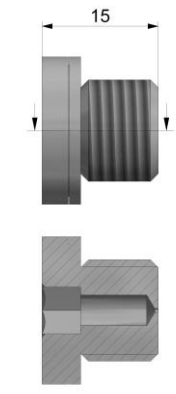
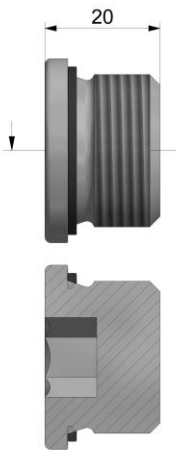
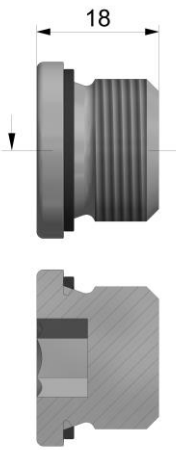


Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-916	A5Q00032106	Galvanized steel	Female M12x1.5 L6	Male M12x1.5 L6	14	<p>Technical drawing of the FIT-916 fitting. The top view shows a horizontal dimension of 35 mm and a vertical dimension of 34 mm. The side view shows the fitting's profile.</p>
FIT-943	A5Q00032137	Galvanized steel	Male M24x1.5 S16	Female M24x1.5 S16	30	<p>Technical drawing of the FIT-943 fitting. The top view shows a horizontal dimension of 54 mm and a vertical dimension of 60 mm. The side view shows the fitting's profile.</p>
FIT-947	A5Q00039045	Galvanized steel	Male M18x1.5 L12	Female M18x1.5 L12	22	<p>Technical drawing of the FIT-947 fitting. The top view shows a horizontal dimension of 42 mm and a vertical dimension of 45 mm. The side view shows the fitting's profile.</p>

## Tee fittings

Reference	Product code	Material	Fitting type			Across flats (mm)	Dimensions (mm)
FIT-902	A5Q00047386	Galvanized steel	Male M14x1.5 L8	Male M14x1.5 L8	Male M14x1.5 L8	17	<p>58 39</p>
FIT-908	A5Q00032107	Galvanized steel	Male M12x1.5 L6	Female M12x1.5 L6	Male M12x1.5 L6	14	<p>54 33</p>
FIT-919	S54476-B790-A8	Galvanized steel	Female M12x1.5 L6	Male M12x1.5 L6	Male M12x1.5 L6	14	<p>45 27</p>
FIT-940	A5Q00032112	Galvanized steel	Male M24x1.5 S16	Male M24x1.5 S16	Female M24x1.5 S16	30	<p>80 60</p>
FIT-941	A5Q00032115	Galvanized steel	Male M18x1.5 L12	Male M18x1.5 L12	Female M18x1.5 L12	22	<p>61 45</p>

## Plug fittings

Reference	Product code	Material	Fitting type		Across flats (mm)	Dimensions (mm)
FIT-917	S54476-B77-A11	Galvanized steel	Male G 1/4"	With vent hole: ø0.5 mm	6	
FIT-918	S54476-B790-A6	Galvanized steel	Male G 3/4"		12	
FIT-942	A5Q00032121	Galvanized steel	Male G 1/2"		10	

## Product documentation

Type	Title	Document ref.
Mounting	Sinorix™ NXN CDT-IG-x-300	A6V101065426
	Sinorix™ CDT IG-100-300 NXN FR	A6V12019059
Mounting	Sinorix™ NXN SDT-IG-x-200, IG-x-300	A6V101065532

## Notes

### Safety

This product may only be installed by Siemens-authorized specialized installers, with experience in the design, installation and maintenance of automatic extinguishing systems. During installation, it must be ensured that:

- this product is installed in compliance with the accident prevention regulations and national regulations in force,
- this product is used as intended,
- any danger is avoided,
- Siemens requirements are met (assembly instructions, technical instructions, commissioning, and operating instructions),
- the operators have received and understood the information related to this product.

At commissioning, ensure compliance with the legislation in force, technical regulations and safety instructions.

Failure to comply with Siemens' instructions may result in serious bodily injury or significant property damage, for which Siemens cannot be held liable.

Siemens reserves the right to make technical modifications and/or improvements at any time.

### Mounting



Refer to the commissioning instructions for detailed assembly procedures.

Fittings are project-specific and assembled on site. For the pipes to fit properly, all fittings must meet their mounting requirements. Do not use Teflon or any other sealant for the connections made with these fittings.

### **WARNING**



#### **Incorrect mounting**

Incorrect mounting can lead to malfunctions and safety hazards.

### Storage

- Store in its original packaging, protected from shocks.
- Store in a clean and dry location, protected from bad weather.

### Inspection

- Check the good condition of the product.
- Check that each fitting has been properly tightened using the appropriate wrench. Re-tighten if necessary.



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The frequency of the product inspection is subject to applicable local regulations. For more information, refer to the maintenance documentation.

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## Technical data

Technical data	
Maximum operating pressure	360 bar
Thread	Refer to the "Type summary" section
Material	Refer to the "Type summary" section
Operating temperature	-20 °C to +50 °C, non-condensing
Transport and storage temperature	-40 °C to +65 °C, non-condensing
Weight	< 0,1 kg

Issued by  
Siemens Switzerland Ltd  
Smart Infrastructure  
Global Headquarters  
Theilerstrasse 1a  
CH-6300 Zug  
+41 58 724 2424  
[www.siemens.com/buildingtechnologies](http://www.siemens.com/buildingtechnologies)

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