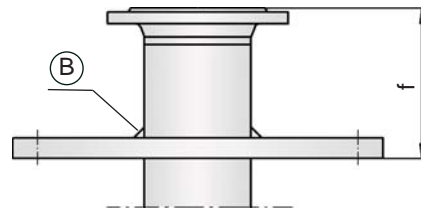
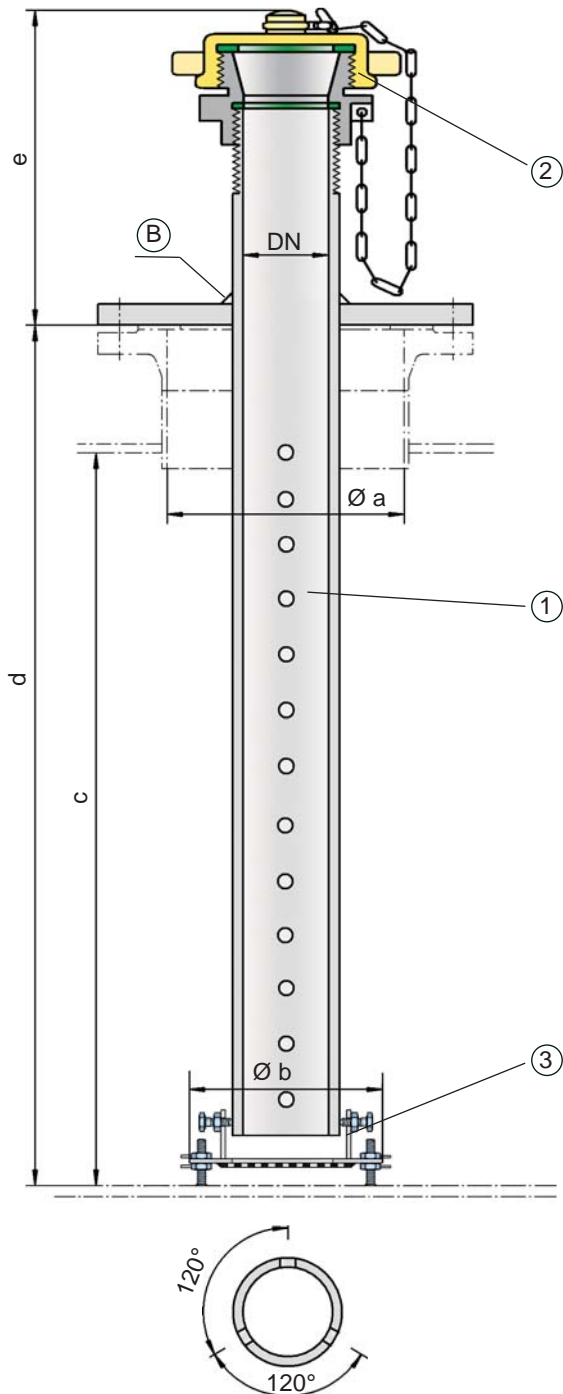


## Gauging and Sampling Pipe

verifiable

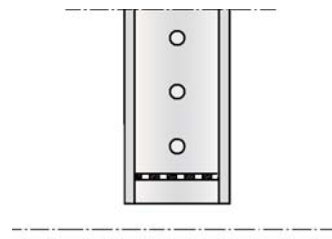
PROTEGO® PR/0



Version 1

Design with flange for combination with a gauging and sampling device (from DN 100 / 4")

(B) job site welding



Version 2

Alternatively to gauging table (from DN 80 / 3") design with perforated bottom (DN 25 / 1" to DN 150 / 6")

### Function and Description

The gauging and sampling pipes type PROTEGO® PR/0 are used for gauging of tank contents in horizontal or vertical tanks. They can be used in combination with other devices as for instance PROTEGO® VP/HK, PROTEGO® PS/E as well as PROTEGO® PG/H.

The gauging and sampling pipes PROTEGO® PR/0 consist of the gauging and sampling pipe (1), the cap (2) with gasket and the gauging table (3).

In normal operation the gauging pipe is closed with the cap. It is opened only for tank content gauging.

PROTEGO® PR/0 is not flame transmission proof and therefore special safety measures have to be implemented in order to avoid flame transmission into the tank caused by external ignition sources.

## Design Types and Specifications

**Table 1: Dimensions** Dimensions in mm / inches

The measures c, d, e, f must be given with the order

DN	a	b	number of hole lines
25 / 1"	32	-	1
32 / 1¼"	40	-	1
50 / 2"	80	-	2
80 / 3"	100	305	3
100 / 4"	150 / 5.91	305	3
150 / 6"	200 / 7.87	375	3

**Table 2: Material selection**

Design	A	B
Gauging pipe	Steel	Stainless Steel
Gauge plate	Steel	Stainless Steel
Cap	Brass	Stainless Steel

For combination with other gauging device design 1 with welding neck flange is available (from DN 100 / 4").

Instead of the Gauging Table PROTEGO® PT/S a perforated bottom can be chosen alternatively (design 2).

## Selection and Design

Select the required nominal sizes based on the gauging equipment size or nominal sizes of the connecting nozzle. Specify measures c, d, e, and f must be specified with the order and necessary for the interpretation.

The device must be sufficiently resistant to corrosion through product vapour/air mixtures. If necessary, designs in special stainless steel quality should be selected.

## Necessary Data for Specification

Storage product

Tank nozzle diameter DN

Tank inner diameter c (m or ft) for horizontal tanks

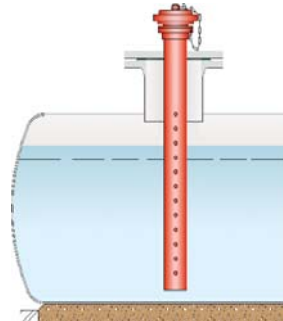
Tank height c (mm or inches) for standing tanks

Length d (mm or inches)

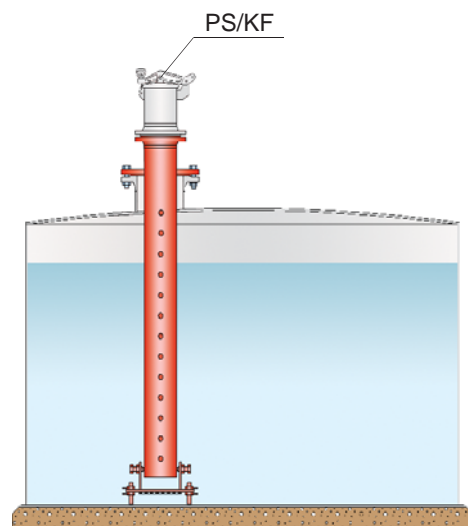
Length e (mm or inches)

stud length f (mm or inches)

## Application Examples



Gauging and Sampling Pipe PROTEGO® PR/0 with perforated bottom for the horizontal tank.



Gauging and Sampling Pipe PROTEGO® PR/0 with gauging table PROTEGO® PT/S as well as Gauging Nozzle PROTEGO® PS/KF for a vertical tank.

Also sampling with a suitable Sampling Pot PROTEGO® PG/H is possible. Information about gauging and sampling device are available in a separate catalogue sheet.



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