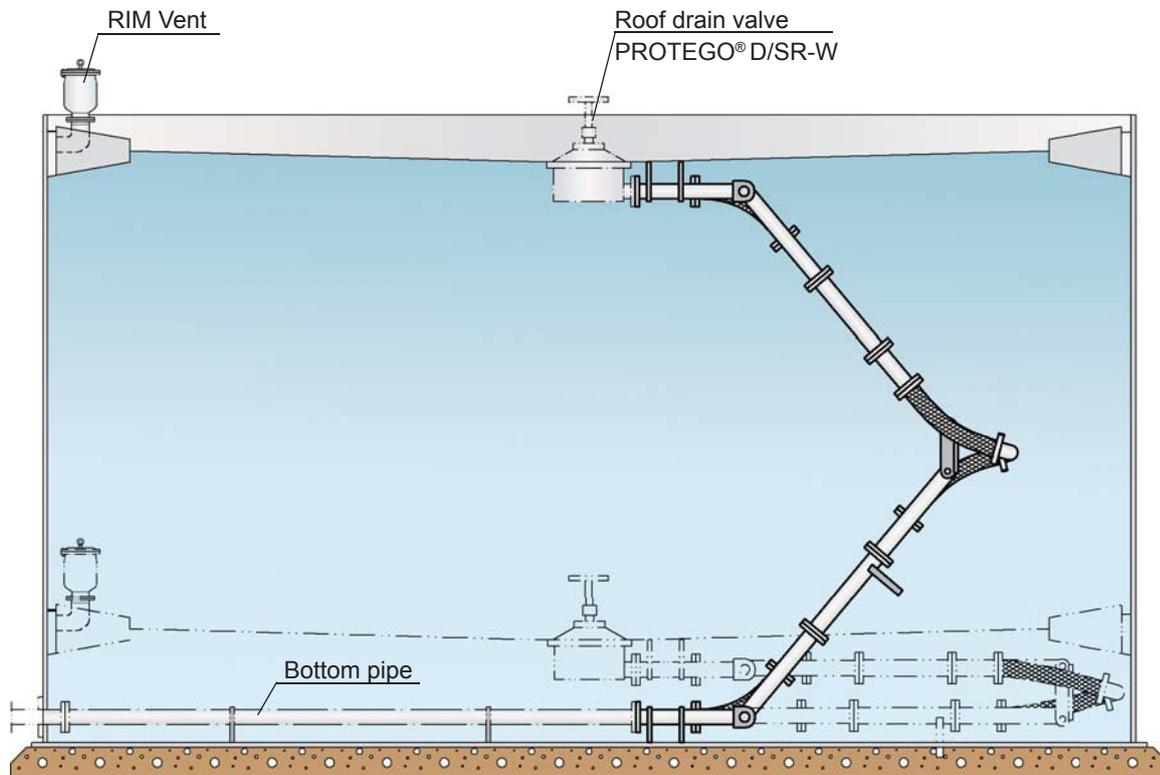


## Floating Roof Drainage System with Metal Hose Joints

PROTEGO® SE/K



### Function and Description

Floating roof tanks require a drainage system that automatically drains the accumulating rainwater off the floating roof. PROTEGO® SE/K is a single scissor-pipe-system that works with robust shackle joints. The water is drained by unstressed mounted and pressure resistant metal hoses.

The upper scissor pipe is connected to the roof drain valve and the lower scissor pipe is connected to the bottom pipe. Via the operational opened roof drain valve the water is transferred by the drainage system out of the tank.

### Design Types and Specifications

PROTEGO® floating roof drainage systems are designed and sized to suit the individual tank specifications and customer requirements.

PROTEGO® floating roof drainage systems are designed for a long life in service. We use only carbon steel or stainless steel as the material of construction. For the carbon steel version the joint bearings are made of stainless steel.

Solutions are available from 3" to 8" for floating roof tanks with external floating roof.

**PROTEGO® Floating Roof Drainage Systems are „Made in Germany“ and will provide many years of trouble free tank operation.**

### Selection and Design

PROTEGO® Floating Roof Drainage Systems offer experienced technology for a complete solution for the end-user. This includes easy installation and assembly and full documentation with an arrangement drawing showing the Floating Roof Drainage System placed in the tank with regards to all internals.

The flexibility of the metal hose is realized by the shackle-bolted joint. Forces that may occur due to torsion or uneven movements of the floating roof are absorbed through design and arrangement of the joints and thus have no negative effects on the system or metal hoses. The water is drained by metal hoses that are directly connected to the scissor pipes. The drain water does not pass through the actual joints and therefore sealing elements as used for common swivel joint systems are not required.

For stability reasons metal hose joints are made of steel or stainless steel.

Options upon request:

- Roof drain valve
- Bottom pipe
- On-site support

\*Project:  
Location:  
Client:  
\*Enduser:  
\*Engineering:

**Tank Main Details**

*Floating roof tank	<input type="checkbox"/>		
Tank No.:	*Tank height: :	mm	*Tank diameter: mm
*Maximum filling height:	mm		
* Material request of Floating Roof Drainage System:			

**Product Details**

*Product stored:	
*Specific gravity:	
Maximum product temperature:	°C

**Tank Details**

*Nominal diameter of drain line: DN	
*Shell nozzle centreline height / inwards projection	mm
*Manhole size: DN	
Bottom slope:	<input type="checkbox"/>
Slope direction:	
*Are there any obstructions? (columns, heating coils,...)	<input type="checkbox"/>
	if <input type="checkbox"/> - please specify
*Tank drawing / sketch	<input type="checkbox"/>
	if <input type="checkbox"/> - please specify

\* This information must be indicated on request!  
Fill in and  tick off, if applicable.

