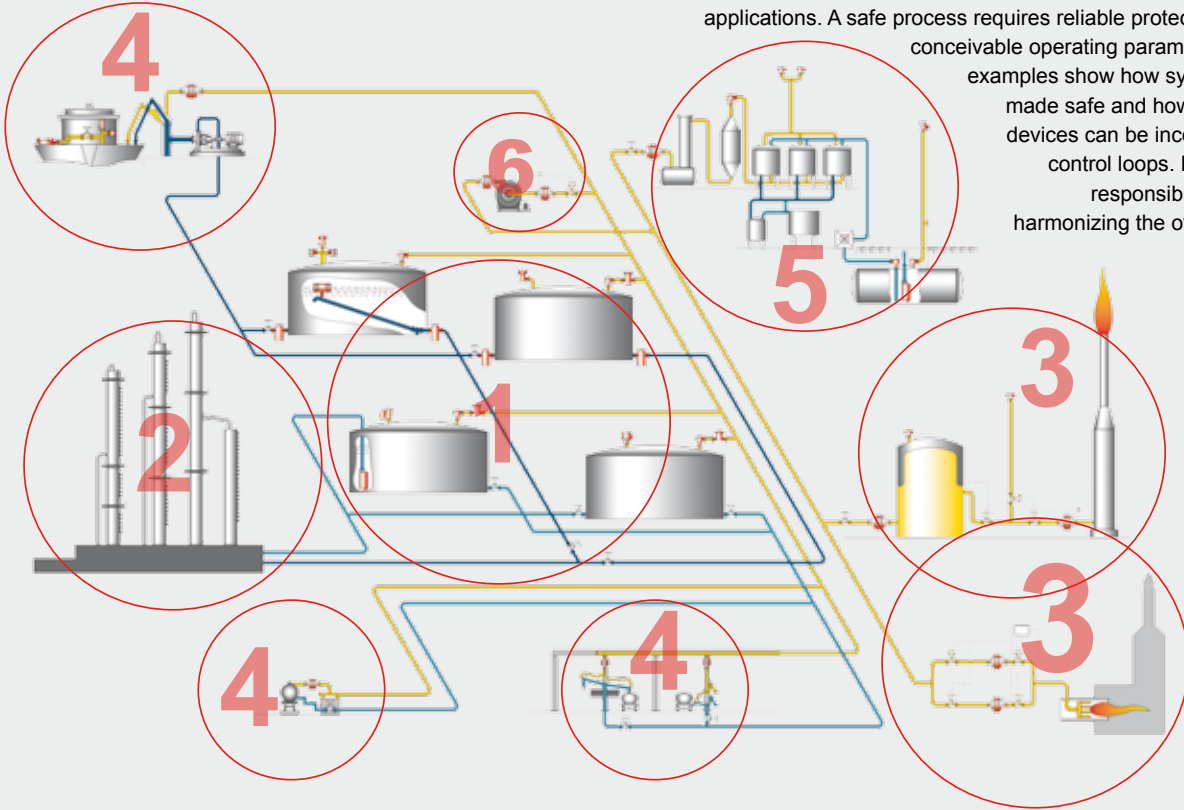


PROTEGO® Product Overview

For more product information please visit our website: www.protego.com

PROTEGO® Applications

PROTEGO® safety devices are used in a wide range of industrial applications. A safe process requires reliable protection for every conceivable operating parameter. Practical examples show how systems can be made safe and how PROTEGO® devices can be incorporated into control loops. Engineers are responsible for properly harmonizing the overall system.



PROTEGO® devices offer safety and environmental protection

- | | |
|--|--|
| ① In Storage Tank Farms for Refineries and Chemical Plants | ④ In Ship Building and Loading Systems |
| ② In Processing Systems for Chemical and Pharmaceutical Industries | ⑤ In Vapour Recovery Units |
| ③ In Vapour Combustion Systems and Flares | ⑥ As integrated Component of Equipment, Machines and Vessels |

➡ **Valves** _____ page 2 - 5

➡ **Flame Arresters** _____ page 6 - 7

➡ **Tank Accessories** _____ page 8 - 9

➡ **Special Solutions** _____ page 10 - 11



for safety and environment

Pressure / Vacuum Relief Valves

Advantages of PROTEGO® 10% technology

- Pressure conservation very close to the maximum allowable tank pressure
- Minimization of product losses
- Reduction of vapour emissions

Diaphragm Valves

Due to the flexible diaphragm, these valves are used in weather-related low temperatures and in sticky, polymerizing media.

PROTEGO® diaphragm valves are the only valves world-wide which are frostproof down to temperatures of -40°C (-40°F) (e.g. PROTEGO® UB/ ... series).

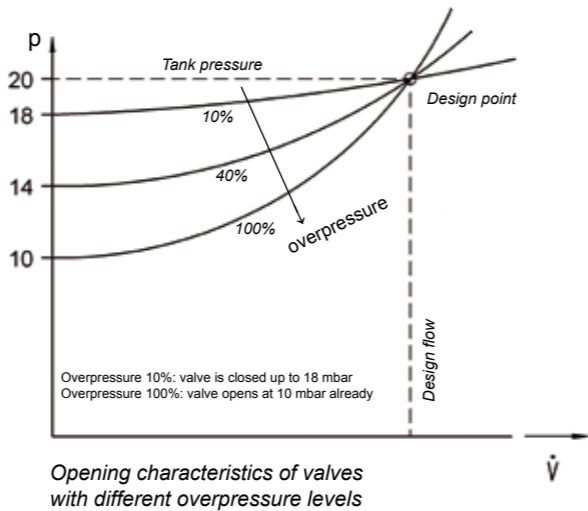
Pilot operated Valves


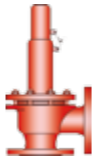

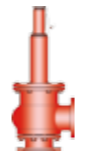

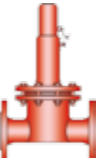
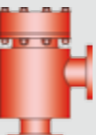
Special Features and Advantages

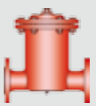

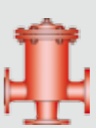
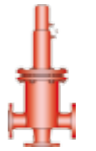
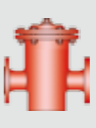


- in accordance with API 2000 recommendations
- increased set pressure up to 1034 mbar (15psig)
- blow down < 7%
- optimised flow performance

Emergency Relief Valves

- used where the overpressure relief valves designed for normal operation fail to satisfy suddenly occurring venting requirements
- used as an emergency pressure relief valve on storage tanks, vessels, silos, and process engineering equipment in the event of a fire
























	Type	Size	Pressure setting positive or negative setting range mbar / inch W.C.	○ = X =
Pressure or Vacuum Relief Valves				
	DZ/E	25 - 300 1" - 12"	±2.0 up to ±60 ±0.8 up to ±24	○
	DZ/E-F	25 - 300 1" - 12"	±60 up to ±500 ±24 up to ±200	X
	DZ/EA	50 - 150 2" - 6"	±5 up to ±50 ±2 up to ±20	○
	DZ/EA-F	50 - 150 2" - 6"	±60 up to ±500 ±24 up to ±200	X
	DZ/T	25 - 300 1" - 12"	±2.0 up to ±60 ±0.8 up to ±24	○
	DZ/T-F	25 - 300 1" - 12"	±60 up to ±500 ±24 up to ±200	X
	R/KSM	50 - 200 2" - 8"	±5 up to ±100 ±2 up to ±40	○

	Type	Size	Pressure setting positive setting range mbar / inch W.C.	Pressure setting negative setting range mbar / inch W.C.	○ = X =
Pressure and Vacuum Relief Valves					
	DV/ZT	40 - 150 1½" - 6"	upper valve pallet ±2.0 up to ±60 ±0.8 up to ±24	lower valve pallet ±3.5 up to ±50 ±1.4 up to ±20	○
	DV/ZT-F	40 - 150 1½" - 6"	+60 up to +500 +24 up to +200	-3.5 up to -50 -1.4 up to -20	X
	DV/ZU	40 - 150 1½" - 6"	+2.0 up to +60 +0.8 up to +24	-3.5 up to -50 -1.4 up to -20	○
	DV/ZU-F	40 - 150 1½" - 6"	+60 up to +500 +24 up to +200	-3.5 up to -50 -1.4 up to -20	X
	DV/ZW	40 - 150 1½" - 6"	+2.0 up to +60 +0.8 up to +24	-3.5 up to -50 -1.4 up to -20	○
	DV/ZW-F	40 - 150 1½" - 6"	+60 up to +500 +24 up to +200	-3.5 up to -50 -1.4 up to -20	X
Blanketing Valve					
	ZM-R	15 - 100 ½" - 4"	up to +500 up to +200	up to -200 up to -80	○












○: weight loaded
 X: spring loaded











PROTEGO® Pressure/Vacuum Relief Valves
end-of-line

	Type	Size	positive setting range mbar / inch W.C.	pressure setting negative setting range mbar / inch W.C.
Pressure Relief Valves, weight pallet type				
	P/EL	50 - 80 2" - 3"	+3.5 up to +210/ +1.4 up to +84	
	P/ELR	80 - 100 3" - 4"	+3.5 up to +210/ +1.4 up to +84	
	SD/BS-H	80-200 3" - 8"	+5 up to +210/ +2 up to +84	
	D/SVL	50-300 2" - 12"	+2.0 up to +60/ +0.8 up to +24	
	ER-V-LP	200-700 8" - 28"	+3.4 up to +15/ +1.36 up to +6	
	ER/V	200-700 8" - 28"	DN 200-350: +5 up to +40/ +2 up to +16 DN 400-700: +5 up to +25/ +2 up to +10	
	ER/VH	200-700 8" - 28"	DN 200-350: >+40 up to +60/ +16 up to +24 DN 400-700: >+25 up to +60/ +10 up to +24	
	ER/V-F	200-700 8" - 28"	>+60 up to +500/ +24 up to +200	
	D/KSM	50-200 2" - 8"	+5.0 up to +100/ +2.0 up to +40	
Vacuum Relief Valves, weight pallet type				
	SV/E-1-0	50 - 300 2" - 12"		-2.0 up to -60 / -0.8 up to -24
	SV/T-0-H	80 - 250 3" - 10"		-7.0 up to -50 / -2.8 up to -20
	V/KSM	50-200 2" - 8"		-5.0 up to -100 / -2.0 up to -40

	Type	Size	pressure setting positive setting range mbar / inch W.C.	pressure setting negative setting range mbar / inch W.C.
Pressure and Vacuum Relief Valves, weight pallet type				
	PV/EL	50 - 80 2" - 3"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -35 / -1.4 up to -14
	PV/ELR	80 - 100 3" - 4"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -50 / -1.4 up to -20
	VD/SV	40 - 300 1½" - 12"	+2.0 up to +60 / +0.8 up to +24	-2.0 up to -60 / -0.8 up to -24
	VD/SV-PA(L)	50 - 300 2" - 12"	+2.0 up to +60 / +0.8 up to +24	-2.0 up to -60 / -0.8 up to -24
	VD/KSM	50 - 200 2" - 8"	+5.0 up to +100 / +2.0 up to +40	-5.0 up to -100 / -2.0 up to -40
	VD/KSM-PA	50 - 200 2" - 8"	+5.0 up to +100 / +2.0 up to +40	-5.0 up to -100 / -2.0 up to -40
Pressure and Vacuum Relief Valves, pilot-operated				
	PM(D)S	80 - 300 3" - 12"	+10 up to +300 / +4.0 up to +120	-3.0 up to -7 / -1.2 up to -2.8
	PM-HF	80 - 300 3" - 12"	+10 up to +1034 / +4.0 up to +413.6	-2.2 up to -7 / -0.88 up to -2.8
	PM/F	replaced by PM-HF		

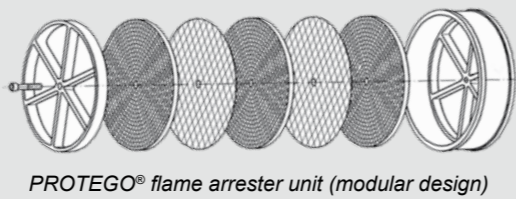
PROTEGO® Pressure/Vacuum Relief Valves
with Flame Arrester, end-of-line

	Type	Size	Pressure setting		Explosion group		Approvals	
			positive setting range mbar / inch W.C.	negative range mbar / inch W.C.	O = X =	ATEX		NEC
Pressure Relief Valves, Pallet Type								
	P/EB	50 - 80 2" - 3"	+3.5 up to +210/ +1.4 up to +84		O / X	IIA	D	ATEX
	P/EB-E	50 - 80 2" - 3"	+3.5 up to +210/ +1.4 up to +84		O / X	IIB1	–	ATEX
	P/EBR	80 - 100 3" - 4"	+3.5 up to +210/ +1.4 up to +84		O / X	IIA, IIB3	D, C	ATEX
	P/EBR-E	80 - 100 3" - 4"	+3.5 up to +210/ +1.4 up to +84		O / X	IIB1	–	ATEX
	D-SVL-EB	200 10"	+2.0 up to +60/ +0.8 up to +24		O / X	IIA	D	ATEX
	BE/HR-D	150-200 6" - 8"	+2.0 up to +35/ +0.8 up to +14		O / X	IIA	D	ATEX
Vacuum Relief Valves, Pallet Type								
	SV/E	50 - 300 2" - 12"		-2.0 up to -60/ -0.8 up to -24	X	IIB3, IIB	C B	ATEX IMO
Pressure/Vacuum Relief Valves, Pallet Type								
	PV/EB	50 - 80 2" - 3"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -35/ -1.4 up to -14	O / X	IIA	D	ATEX
	PV/EB-E	50 - 80 2" - 3"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -35/ -1.4 up to -14	O / X	IIB1	–	ATEX
	PV/EBR	80 - 100 3" - 4"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -50/ -1.4 up to -20	O / X	IIA, IIB3	D, C	ATEX
	PV/EBR-E	80 - 100 3" - 4"	+2.0 up to +210/ +0.8 up to +84	-3.5 up to -50/ -1.4 up to -20	O / X	IIB1	–	ATEX

	Type	Size	Pressure setting		Explosion group		Approvals	
			positive setting range mbar / inch W.C.	negative setting range mbar / inch W.C.	O = X =	ATEX		NEC
Pressure/Vacuum Relief Valves, Pallet Type (Continuation)								
	VD/SV-AD and VD/SV-ADL	80 - 150 3" - 6"	+3.5 up to +35/ +1.4 up to +14	-2.0 up to -35/ -0.8 up to -14	X	IIB3	C	ATEX
	VD/SV-HR	80 - 100 3" - 4"	+3.5 up to +35/ +1.4 up to +14	-2.0 up to -35/ -0.8 up to -14	O / X	IIA, IIB3	D, C	ATEX
	VD/SV-HRL	100-150 4" - 6"	+3.5 up to +35/ +1.4 up to +14	-2.0 up to -35/ -0.8 up to -14	O / X	IIA	D	ATEX
	VD-SV-EB	200 10"	+2.0 up to +60/ +0.8 up to +24	-2.0 up to -60/ -0.8 up to -24	O / X	IIA	D	ATEX
	VD/TS	50 - 300 2" - 12"	+3.5 up to +50/ +1.4 up to +20	-2.0 up to -25/ -0.8 up to -10	X	IIB3	C	ATEX
Pressure/Vacuum Relief Valves, Diaphragm Valves								
	UB/SF	80 - 150 3" - 6"	+3.5 up to +140/ +1.4 up to +56	-3.5 up to -35/ -1.4 up to -16	O / X	IIB3	C	ATEX
	UB/DF	80 - 150 3" - 6"	+3.5 up to +140/ +1.4 up to +56		O / X	IIB3	C	ATEX
	UB/VF	80 - 150 3" - 6"		-3.5 up to -35/ -1.4 up to -16	X	IIB3	C	ATEX
Pressure Relief Valves, High Velocity Valve								
	DE/S	80 - 150 3" - 6"	+100 up to +500/ +40 up to +200		O / X	IIB3, IIB	C B	ATEX
	DE/S-MK VI	80 - 150 3" - 6"	+60 up to +350/ +24 up to +140		O / X	IIB3, IIC	C, B	ATEX IMO

O = endurance burning proof
X = prevent flashback in case of atmospheric deflagrations

PROTEGO® Flame Arresters



Special features and advantages of PROTEGO® Flame Arresters:

- modular flame arrester unit enables each individual FLAMEFILTER® discs to be replaced and cleaned
- service-friendly design
- minimum pressure loss and associated low operating and life-cycle cost













Depending on the location of installation, the flame arresters must fulfill various protective tasks:










At the opening of a system part to the atmosphere
→ **End-of-line flame arrester**

At the opening of an equipment onto a connecting pipe
→ **Pre-volume flame arrester**
















In the pipe
→ **In-line flame arrester**

PROTEGO® Detonation Flame Arresters








	Type	Size DN	Design cc = concentric ec = eccentric	Explosion-group		Approvals
				ATEX	NEC	
for stable detonation						
	DA-G	G ½ - G 2	straigh through, cc	IIA, IIB3, IIC	D, C, B	ATEX
	DR/SV	G ½ - G ¾	straight through, cc	IIA	D	ATEX
	DA-E	25-300 1" - 12"	straight through, ec	IIA, IIB3	D, C	ATEX
	DA-SB	50-600 2" - 24"	straight through, cc	IIA, IIB3, IIC	D, C, B	ATEX
	DA-SB-PTFE	50-100 2" - 4"	straight through, cc	IIA	D	ATEX
	DR/ES	G ¼ -G ¾	90-degree	IIA, IIB3, IIC	D, C, B	ATEX
	DR/ES	25-200 1" - 8"	90-degree	IIA, IIB3	D, C	ATEX
	DR/ES series 2	50-100 2" - 4"	90-degree	IIA, IIB3	D, C	ATEX
	DR/ES-V	40-200 1 ½" - 8"	90-degree	IIA, IIB3	D, C	ATEX
	DR/ES-PTFE	40-150 1 ½" - 6"	90-degree	IIA	D	ATEX
	DR/SBW	50-400 2" - 16"	straight through, cc	IIA, IIB3	D, C	ATEX
	BR/TS	80 3"	90-degree	IIB3, IIB	C B	ATEX

	Type	Size DN	Design cc = concentric ec = eccentric	Explosion-group		Approvals
				ATEX	NEC	
for stable detonation / for liquid detonation						
	LDA-W	25-300 1" - 12"	straight through	IIA, IIB3	D, C	ATEX
	LDA-WF(W)	25-250 1" - 10"	straight through	IIA, IIB3	D, C	ATEX
	LDA	25-250 1" - 10"	vertical	IIA, IIB3	D, C	ATEX
	LDA-F	25-250 1" - 10"	vertical	IIA, IIB3	D, C	ATEX
	EF/V	25-250 1" - 10"	vertical	IIB3	C	ATEX
	TS/P TS/E TS/W		vertical	IIA, IIB3, IIC	D, C, B	ATEX
for unstable detonation						
	DA-UB	50-600 2" - 24"	straigh through, cc	IIA, IIB3	D, C	ATEX
	DA-CG	50-600 2" - 24"	straight through, cc	IIA, IIB3	D, C	USCG
	DR/EU	25-150 1" - 6"	90-degree	IIA, IIB2, IIB3	D, C, C	ATEX

PROTEGO® Deflagration Flame Arresters, and Vent Caps, end-of-line

	Type	Size DN	Explosiongroup		Approvals
			ATEX	NEC	
Deflagration flame arrester, end-of-line					
	BE/AD	15 - 50 ½" - 2"	IIB3, IIC	C B	ATEX
	LH/AD	50 - 800 2" - 32"	IIB3, IIC	C B	ATEX
Deflagration flame arrester, short time burning proof, end-of-line					
	LH/AD-T	50 - 800 2" - 32"	IIB3, IIC	C B	ATEX
Deflagration flame arrester, endurance burning proof, end-of-line					
	EB	25 - 800 1" - 32"	IIA, IIB	D B	ATEX
	EB-DN/DN2	20 - 700 ¾" - 28"	IIA, IIB	D B	ATEX
	BE/HZ	15 - 32 ½" - 1¼"	IIA	D	ATEX
	BE/HK	20 - 80 ¾" - 3" 20 - 32 ¾" - 1¼"	IIA, IIB3	D C	ATEX
	BE/HK-E	20 - 80 ¾" - 3"	IIB1, IIB3	– C	ATEX
	BE/HR	80 - 100 3" - 4"	IIA, IIB3	D C	ATEX
	BE/HR-E	80 - 100 3" - 4"	IIB1, IIB3, IIB	– C B	ATEX IMO
	BE/HR 400	150 - 200 6" - 8"	IIA	D	ATEX
	LH/EB	150 - 400 6" - 16"	IIA1 (I)	–	ATEX
Vent caps, end-of-line, without flame arrester unit					
	EH/0	20 - 80 ¾" - 3"			
	EH/0S	100 - 600 4" - 24"			
	E/KS	50 - 200 2" - 8"			

PROTEGO® Deflagration Flame Arresters, in-line

	Type	Size DN	Design cc = concentric ec = eccentric	Explosion-group		Approvals
				ATEX	NEC	
In-line deflagration flame arrester						
	FA-E	25 - 300 1" - 12"	straight through, ec	IIA1 (I)	-	ATEX
	FA-E	25 - 300 1" - 12"	straight through, ec	IIA, IIB3, IIC	D, C, B	ATEX
	FA-CN	40 - 300 1½" - 12"	straight through, cc	IIA1 (I)	-	ATEX
	FA-CN	25 - 300 1" - 12"	straight through, cc	IIA, IIB3	D, C	ATEX
	FA-CN	40 - 300 1½" - 12"	straight through, cc	IIC	B	ATEX
	FA-G	G ½ - G 2	straight through, cc	IIA, IIB3, IIC	D, C, B	ATEX
	FA-I	50 - 1000 2" - 40"	straight through, cc	IIA, IIB3	D, C	ATEX
	FA-IPTFE	50 - 150 2" - 6"	straight through, cc	IIA	D	ATEX

Tank Accessories and Special Equipment

Tanks in tank farms and large vessels not only need to be equipped with flame arresters or pressure and vacuum valves but; in addition they need special equipment, which similar meets high requirements to operate safely.

Special Valves with Safety Functions

For emergency shut-off or for extraordinary operating conditions it is necessary to provide internal safety valves so that product leakage can be prevented quickly after a pipe burst. Change-over valves facilitate trouble-free valve maintenance.

Gauging and Sampling Equipment

Gauge and sampling hatches allow the use of gauging and sampling devices in the tank. For horizontal tanks deflagration proof gauging pipes are available.

For sampling and local venting in tanks that store flammable liquids PROTEGO® has designed special sampling and air bleed valves with flame arrester elements.

Explosion-proof floor drains for heliports pass flammable liquids (such as Kerosene) into catch tanks and prevent ignition inside. If an outside ignition source ignites the explosive atmosphere there is no flame transmission.

Floating Suction Units and Skimming Systems

Floating Suction Units PROTEGO® SA/S are designed to ensure that product in a storage tank is drawn off just below the surface of the liquid where it is cleanest.

Fixed roof tanks that store liquids with different density, so-called slop tanks, are fitted with the Float-Operated Skimming System PROTEGO® SA/DA for separating the phases.

Together with the tank operator or tank contractor we develop the best way to ensure both economical and safe operation.

Floating Roof Tank Equipment

For floating roof tanks the drainage system for the floating roof must be designed very precisely. Every movement of the floating roof must be taken into account and the load on the joints must not affect the free moving space. In case of restricted movement the system will crack, the pipes will bend and the joints will be stuck. In order to prevent the water in the system from standing and freezing, ensure sufficient drain to the lateral tank nozzle. Many years of experience are incorporated in the supplied systems that

work without disruptions – starting from the roof drain valves to the systems with ball bearing joints or metal hose joints. With lowered floating roofs in maintenance positions the completely drained space below the floating roof must be vented through a lift-actuated vent valve. When storing flammable liquids in the tank venting is to be done through flame arresters.

Special Equipment

Hygroscopic products must be vented with dry air when stored. Air-drying devices with drying pearls prevent the air from saturating with humidity.

A special safety device is the hydraulic flame arrester. It is a collection device for large volume flows in pipelines collecting exhaust air from various plant areas, and it also functions as a backflow prevention device as it prevents the exchange of vapours. With extremely low pressure losses thanks to its relatively large drill holes in the sparge pipes the hydraulic flame arrester is insusceptible to clogging and therefore provides high plant availability. It can be used as flame arrester with substances of all explosion groups and provides protection against all types of combustion. The hydraulic flame arrester has to be monitored and controlled by instrumentation. Early involvement of our engineers in plant design is necessary to make the right selection.

Selection

The special valves, systems and devices are designed together with the operator, engineering company and tank contractor. PROTEGO® prepares a quotation based on the detailed system specifications.



Floating Suction Unit PROTEGO® SA/S

	Type	Size	Description
Floating Suction Unit			
	SA/S		Floating Suction Unit
	SA/DA		Floating Skimmer System
Floating Roof Tank Equipment			
	SE/K	80 - 100 3" - 4"	Floating Roof Drainage System with Metal Hose Joint
	SE/CK	80 - 150 3" - 6"	Floating Roof Drainage System with Swivel Joints
	D/SR D/SR-W	80 - 150 3" - 6"	Roof Drain Valves
	AL/DK AL 200	200 8"	Vent Valve, Lift-actuated
Gauging and Sampling Equipment			
	PF/K PF/TK PS/KF	100 - 200 4" - 8"	Gauge Hatch with flange
	PS/K PS/TK	100 - 200 4" - 8"	Gauge Hatch with welded nozzle
	PU-IIA	25 - 50 1" - 2"	Gauging Pipe, deflagration proof
	PR/0	25 - 150 1" - 6"	Gauging and Sampling Pipe, verifiable
	VP/HK with PS/E und PG/H	100 - 150 4" - 6"	Gauging and Sampling Device with accessories

	Type	Size	Description
Deflagration proof Special Valves			
	ZE/WU	15 - 25 G½" - G1"	Sampling and Air Bleed Valve, deflagration proof
	ZE/TK	15 - 25 G½" - G1"	Condensate Drain Valve, deflagration proof
Air-Drying Devices			
	LA	50 - 150 2" - 6"	Air-Drying Device
	LA/V	50 - 150 2" - 6"	Air-Drying Device with Check Valve
Special Safety Valves			
	NB/AP	150 - 200 6" - 8"	In-Tank Valve
	SI/F	50 - 200 2" - 8"	In-Tank Valve
	SI/DP	150 - 300 6" - 12"	In-Tank Valve
	WV/T	80 - 250 3" - 10"	Change-Over Valve

PROTEGO® Special Solutions

Whatever complex and extreme your application, we will find a solution for you. We are specialists, not only specializing in what we have already developed, but also in developing the dedicated solutions you may require.

Tailored valves and devices are our day-to-day business. We will see to that, you can be sure:

- Venting of pipelines
- Internal safety valve
- Super-heated PROTEGO® valves and devices
- Applications for acetylene
- Applications for ethylene oxide
- Applications for alcohols
- Applications for polymers (e.g. acrylates and styrene)



Pipeline Venting: PROTEGO® BE/SRL - Gas Liquid Separator



Internal Safety Valve PROTEGO® SI/DP



DMT Applications: Superheated Valves and Flame Arresters



Acetylene Applications: PROTEGO® DA-SB-AC

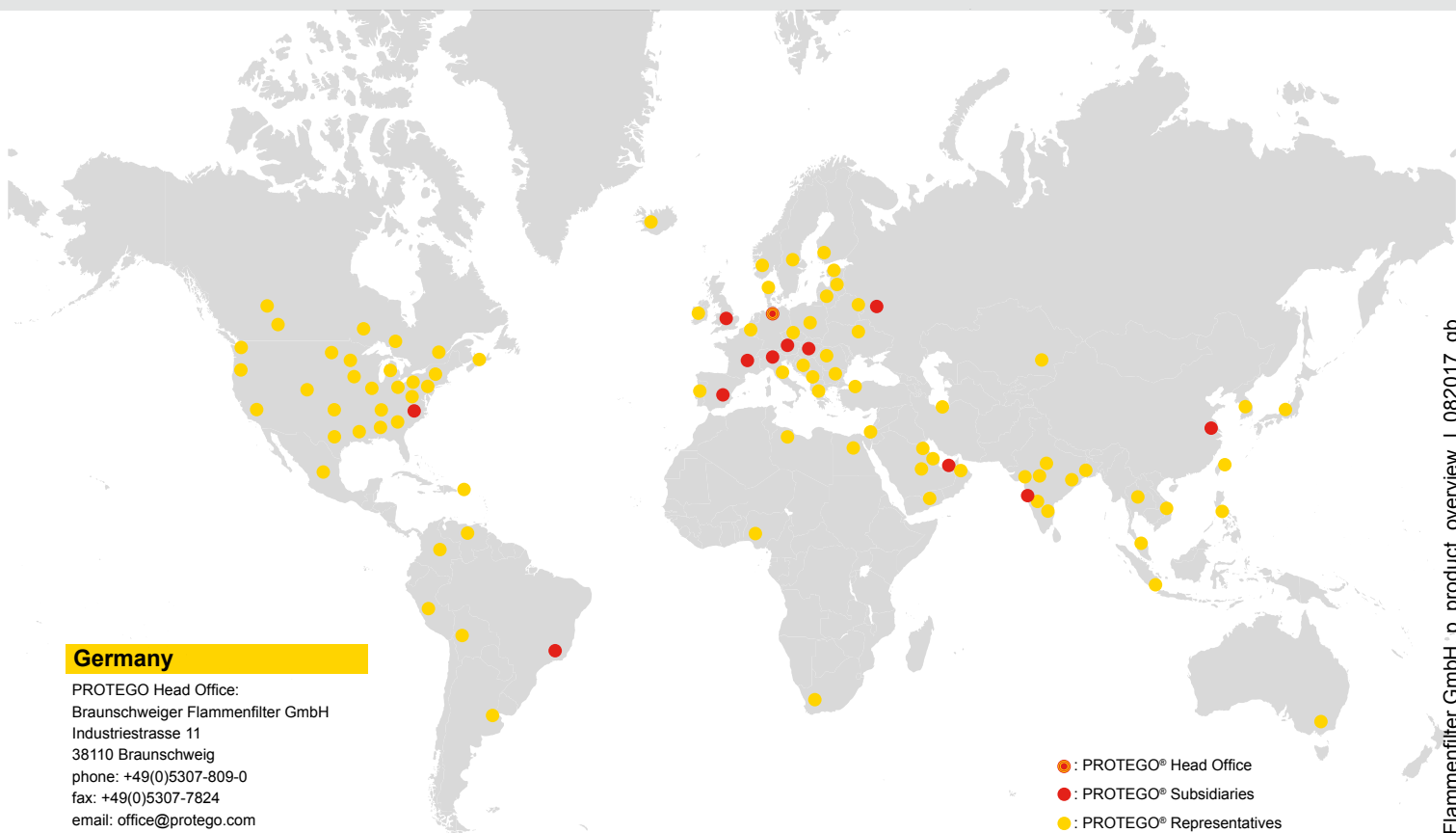


Ethylene Oxide Applications: PROTEGO® DA-SB-EO



Acrylate Applications: PROTEGO® UB/SF





Germany

PROTEGO Head Office:
Braunschweiger Flammenfilter GmbH
Industriestrasse 11
38110 Braunschweig
phone: +49(0)5307-809-0
fax: +49(0)5307-7824
email: office@protego.com

- : PROTEGO® Head Office
- : PROTEGO® Subsidiaries
- : PROTEGO® Representatives

Russia

PROTEGO RUS
Teterinsky pereulok 4, building 1
Moscow 109004
Russian Federation
phone: +7-49 56 63 36 69
fax: +7-9 15 0 39 10 06
email: russia-office@protego.com

USA

PROTEGO (USA) Inc.
497 Jessen Lane
Charleston, SC 29492
phone: +1-843-284 03 00
fax: +1-843-284 03 04
email: us-office@protego.com

Spain

PROTEGO España
Pintor Serra Santa, 19
08860 Castelldefels
phone: +34-93-6 34 21 65
fax: +34-93-6 34 25 45
email: es-office@protego.com

Great Britain

PROTEGO UK Ltd.
Studio 1, Europa House Europa Way Britannia
Enterprise Park
Lichfield, Staffordshire, WS14 9TZ
phone: +44-15 43-42 06 60
fax: +44-15 43-42 06 63
email: uk-office@protego.com

Switzerland

Ramseyer AG
Industriestrasse 32
3175 Flamatt
phone: +41-31-7 44 00 00
fax: +41-31-7 41 25 55
email: info@ramseyer.ch

Hungary

PROTEGO Ungarn Kft.
3515 Miskolc
Berzsenyi D. u. 26.
phone: +36-46-381 815
fax: +36-46-381 816
email: protego@t-online.hu

France

S.I.D. Steiblé Ingenierie et Distribution SARL
4 avenue de Strasbourg
ZAC des Collines
68350 Didenheim
phone: +33-3-89 60 62 70
fax: +33-3-89 60 62 75
email: info@sid-steible.fr

Austria

PROTEGO
Armaturen- und Apparatechnik Ges.m.b.H
Grossmarktstrasse 7C
1230 Wien
phone: +43-(0)1 890 15 28-16
fax: +43-(0)1 890 15 28-12
email: office@protego.co.at

Middle East

PROTEGO Middle East FZE
FZSI BL05
JAFZ, Dubai, U.A.E.
P.O. Box 261505
phone: +971-4-88 600 95
fax: +971-4-88 600 96
email: sanjiv.advani@protego.com

Brasil

PROTEGO Brasil
Válvulas e Corta Chamas Ltda.
Rua Montevideu, 486 - Penha
CEP 21020-290 Rio de Janeiro RJ
phone: +55-21-2112 5700
fax: +55-21-2112 5723
email: protegobrasil@protego.com

China

PROTEGO (Nanjing) Safety Equipment LTD
123 Linqi Road
Dongshang International Business R&D Park
211103 Nanjing
phone: +86-25-8717 9277
fax: +86-25-8717 9278
email: yan.zhang@protego.cn

India

PROTEGO India Pvt. Ltd.
R-665, TTC. Industrial Area MIDC, Rabale
Navi Mumbai, 400 701
phone: +91-22-27 69 11 56
fax: +91-22-27 69 20 85
email: protegoindia@protego.com

www.protego.com



for safety and environment