



Data sheet – Areas subject to flooding and high-risk areas

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Suitability of products for oil firing installations in areas subject to flooding and high-risk areas

Areas subject to flooding

According to Section 76 (1) WHG [German Water Management Law] areas subject to flooding are areas situated between bodies of water above ground and dykes or high banks and other areas that are flooded or where water flows through in case of flooding or that are used for flooding relief or water retention.

High-risk areas

According to Section 73 (1) WHG high risk areas are areas with a significant risk of flooding based on the relevant authorities' assessment.

Products

The suitable products in the following list were subjected to a test in accordance with DIN EN 12514:2022, chapter 5.6. According to this, products that are intended to be subjected to the stress of flooding or high tides must be designed to withstand at least an external pressure of 1 bar. When the product is installed, no fuel may leak into the oil firing installation. Thereby the products meet also the requirements on fittings in areas subject to flooding according to German DWA-A 791.

Components / type	Reference no.	Suitable	Not suitable	Replace after flooding	Remark
Shut-off valve Quick-action stop valve Changeover valve Control valve	02 03	X			
Ball valve	02 7.. ..	X			
MIC socket	03 023 00	X		X	
Compression fitting	07	X			
Isolating-separating fitting type ITV	07 90. ..	X			
Hose lines	12 0.. .. 12 1.. .. 12 2.. ..	X			
Filter: type 200 EAZ / E type 500 EAZ type 500 EZ type 85 E type 500 ZAZ type 500 ERAZ	13 13 0.. .. 13 0.. .. 13 023 00 13 85. .. 13 86. ..	X			
Oil pressure controller: type ODR type ODRE type ODRE-M	13 001 / 13 002 13 501 00 13 504 00	X		X	
Non-return valve	13 110 00	X			
Solenoid valve lifter protection type HS-MV	13 211 00	X		X	
Heating oil filter exhaust fan combination type GS Pro-Fi® 3	13 51. ..	X			

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Components / type	Reference no.	Suitable	Not suitable	Replace after flooding	Remark
Filling pipe plugs	15 030 01 15 030 02 15 030 03	X			Filling pipe and sounding pipe plugs must have a gasket and must be closed tightly. The screw cap may not be loosened in order to attach a padlock. Designs with a cardboard disc are not suitable.
	15 030 00 15 030 04 15 036 00		X		
Bayonet filling pipe plugs	15 029 00 15 041 00 15 041 10 15 041 30 15 041 31	X			
Sounding pipe plugs	15 035 00	X			
	15 037 00		X		
Vent caps	15 044 .. to 15 052 ..		see note		The vent cap must be situated above the max. possible high water line.
Leak display device type LAG 2000	15 072 ..		X	X	
Leak alert device type LWG 2000 type LWG 2005	15 073 00 15 074 00		X	X	
Level gauge	15 076 .. 15 077 ..	X			
Pneumatic level gauge type IAP	15 078 00	X			
Limit indicator type GWS type GWD	15 080 ..	X		X	The sealing at the screw-in thread must be executed properly.
Tank feeler gauge	15 085 00	X			
Stuffing gland	15 110 ..	X			
Leak safeguard type AS-2	15 173 00		X	X	Display device IP30
Mechanical level indicator with electric remote display type DC-1	15 186 00 15 187 00	X		X	Refers only to level gauges. Therefore, it is recommended to replace the complete unit after flooding.
Retrofit set type DCN-1	15 189 00	X		X	
Universal connection fitting type UA	15 227 ..	X			
Level gauge type FSA	15 276 00 15 277 00	X			
Limit indicator type GWD with level gauge type FSA	15 278 00	X		X	
Cable connection fittings	15 379 00		X	X	

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Vacuum leak display type Vakumatik	15 40. ..		X	X	
Vacuum conveying unit type SFA	15 505 00		X		
Membrane-controlled lifter protection type HS-V type HS-F type HS-V.2	15 510 / 15 512 15 511 15 513 00	X		X	
Pressure compensating valve type DAV7 type DAV7P	15 550 00 15 550 15	X		X	
Overfill safety type BC-1	15 700 00		X	X	Display device IP30
Overfill safety type BC-2	15 707 00		X	X	
SmartBox® MINI	15 900 .. 28 900 ..		X	X	Display device IP30
Tank withdrawal fitting type VTK-2 Bio type TAK type VTK type VTK-2 type VTK-3 type VTK-3D	16 3.. .. 16 4.. ..	X			The seal at the screw-in thread must be executed properly.
Safety system type F-Stop® GWG-DEV GWG-FSS GWG-FSS-DEV	16 60. ..	X		X	
Oil meter type HZ3 type HC5	17 001 00 17 004 00		X		
Floating oil regulator Toby type DVR 5	17 1.. ..		X		
Toby ZR electric top controller	17 35. ..		X		
Toby PMD pressure pump	17 500 ..	X		X	IP20
Oil pressure accumulator	17 51. ..	X		X	IP34
Tank management SmartBox® (Electronic level indicator with level sensor)	28		X	X	The seal at the screw-in thread (tank connector for level sensor) must be executed properly and the cable connection must be firmly tightened. Display device IP30 / IP54.
Oil volume and operating hours meter type Z-Box 1	28 001 00		X	X	Display device IP30

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SmartBox® MINI Mech. level indicator FSA-E with electronic remote display	28 900 .. 15 900 ..	X		X	Applies only to mechanical level indicator, therefore replacement of the complete unit after flooding recommended.
Pressure gauge		X		X	