

EXPLOSION PROOF PUMPS AND MIXERS

Many of the Flygt pumps are available in Explosion-Proof execution and various approvals apply. Below is given the classification of the different approvals in accordance with the European norms and the explanation of the letter coding.

E EXd e IIB T4* II G2
E EXd e IIB T3* II G2
E EXd e I* I M2

E = European norm EN 50014

EXd = Explosionproof encapsulation permitted in Zone 1 and 2. EN 50018.

e = Increased safety. EN 50019.

I = Gas group (Methane), coal mines

IIB = Gas group (Ethylene), industry

T4 = Temp. class. Max. surf.temp. = 135° C.

T3 = Temp. class. Max. surf. temp. = 200° C.

Approval No. The thermocontacts in the equipment must be connected.

II G2 and I M2 = Equipment groups and categories acc. to EC-Directive 94/9/EC.

Classification of hazardous areas

Hazardous locations are those in which flammable materials are likely to be present or introduced in concentrations, which can be ignited through normal or abnormal equipment operation. Equipment must generally be approved for these locations.

Hazardous areas are classified into zones according to the IEC 79-10. Most of the European countries have standards or norms which conform with this recommendation.

Due to the temporary and local probability of the presence of an explosive atmosphere, the hazardous areas are divided into zones as follows:

- Zone 0:** Area in which an explosive atmosphere is continuously present for long periods.
- Zone 1:** Areas in which an explosive atmosphere is likely to occur in normal operation.
- Zone 2:** Areas in which an explosive atmosphere is not likely to occur in normal operation and, if it occurs, it will only exist for a short time.

Flygt guarantees the pumps to be in compliance with the above mentioned approvals when being delivered.

It is the responsibility of the owner to make sure that the equipment is used in accordance with the approval and in applications for which it is intended. Special attention should be paid to the connection of safety devices such as thermocontacts and the earthing systems.

All modification and repair work must be performed in accordance with the original approval and by using only genuine Flygt parts.

The degree of protection for all Flygt designed and constructed submersible equipment is IP68, 20m.

The following pump-types and mixers are available in EX-proof execution:		
3000-pumps	2000-pumps	Mixers
3057	2075	4352
3067	2125	4400
3068	2135	4410
3085	2201	4430
3102	2400	4610
3127	3067	4620
3140	3080	4630
3152		4640
3153		4650
3170		4660
3171		4670
3201		4680
3300		
3231		
3306		
3312		
3351		
3356		
3400		
3501		
3531		
3602		
3800		

* Please refer to the Care and Maintenance Manual for more detailed information.

DIMENSIONS

All drawings are available as Acrobat documents (.pdf) and AutoCad drawings (.dwg). Please contact your ITT Flygt representative for more information.

All dimensions are in mm.

