

Versatile Static Process Housing For Vessels, Bioreactors & Pipes



Reliable Design for Hygienic Processes

With its stainless steel finish, the InFit 761e/764e housing can stand up to harsh industrial environments and meet the most extreme hygienic requirements.



Option for Enhanced Sensor Protection

In order to protect the sensor against abrasive solids in the process medium, the InFit 761e/764e housing offers a surrounding protective cage.



Extensive Range of Process Applications

The InFit 761e permits the use of 12 mm pH, ORP, DO, CO₂, turbidity and conductivity sensors into a wide range of in-line process applications.



Versatile for Static Installations

Due to the wide availability of materials, O-rings, process connections and insertion lengths, the InFit 761e/764e family is a truly versatile stationary housing.

USP
Class VI

FDA

CE

Ex

FM
APPROVED



InFit 761e & 764e Static Housings For a Wide Range of Industrial Processes

The InFit™ 761e/764e allows quick and easy installation (vertically or laterally into vessels, bioreactors and pipes) of electrodes and sensors with Pg 13.5 thread and a diameter of 12 mm. This allows the use of a large range of pH/redox electrodes with solid or gel-type reference electrolyte as well as sensors for measuring conductivity, turbidity, dissolved oxygen and dissolved CO₂. The InFit 761e housing is designed for use in the chemical and pharmaceutical industries (including hazardous areas) as well as in biotechnological and food & beverage applications.

The InFit 764e housing provides quick and easy integration of pressurized pH/redox electrodes with liquid reference electrolyte into applications in the chemical and pharmaceutical industries, as well as those in biotechnological, food & beverage and industrial wastewater areas.

Technical data of the InFit 761e & InFit 764e:

	InFit 761e	InFit 764e
Temperature	S/S-body: 0...140°C/32...284°F Plastic-body: 0...100°C/32...212°F	S/S-body: 0...130°C/32...266°F Plastic-body: 0...110°C/32...230°F
Functional pressure range	S/S-body: max. 16 bar/max. 232 psig Plastic-body: max. 6 bar/max. 87 psig	Max. 6 bar/max. 87 psig
Surface roughness (O-ring-groove/others)	S/S-body: N5/N5 (Ra 16/Ra 16); plastic-body: N6/N7 (Ra 32/Ra 63)	
Insertion length	25 mm/33 mm/40 mm/70 mm/100 mm/150 mm/175 mm/200 mm/275 mm/375 mm	
Wetted parts	DIN 1.4404/AISI 316L, DIN 2.4602/AISI Alloy C22, titanium, PP, PVDF	
Wetted O-rings	FKM-FDA, EPDM-FDA, FFKM-FDA, MVQ Silicone-FDA	
Sensor connection	Pg 13.5	Electrodes with liquid electrolyte
Standard process connections	Ingold DN2; Socket DN19 M26X1; ¾" R/NSMP (shaft, Ø19 mm); Socket DN25 – groove pos. 43.6 (type "C"); NPT ¾"/NPT 1"; Tri-Clamp flange 1.5" straight; Tri-Clamp flange 2" straight; Tri-Clamp 1.5" inclined; Varivent flange DN50 straight; Varivent flange DN50 inclined	
Weight	Approx. 0.5 kg	
Pressure information	According to PED-Article 1, Section 2.2: Pressure is referenced to atmospheric pressure, e.g. an overpressure. Accordingly, a pressure in the vacuum region will be expressed as a negative pressure.	
Explosion protection 1)	According to ATEX directives (94/9/EG): II 1/2G c IIC T6...T3 Ga/Gb II 1/2D c IIIC T69°C...T141°C Da/Db SEV 13 ATEX 0161 X According to FM directives: IS/I,II,III/1/ABCDEFG/T6 Ta = 60°C	
Certificates	Declaration of conformity CE Pressure equipment directive (PED) 97/23/EC Certificate of compliance with the order EN10204-2.1 Inspection certificate 3.1B ATEX (94/9/EC), FM certificate, MaxCert™	

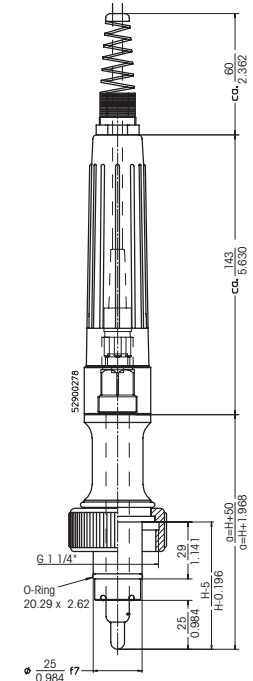
1) Valid for all housings with wetted parts made of metal.

▶ www.mt.com/InFit761e

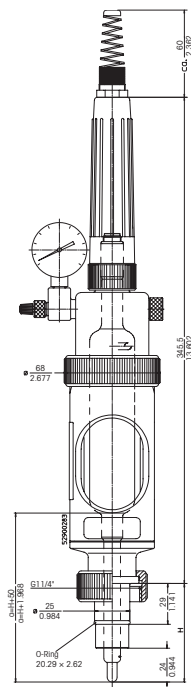
▶ www.mt.com/InFit764e

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InFit 761e



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METTLER TOLEDO Group

Process Analytics

Local contact: www.mt.com/pro-MOs

Subject to technical changes

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