

# Versatile Static Process Housing For Vessels, Bioreactors & Pipes

InFit 761/4e Housing



## 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, CO<sub>2</sub>, 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 CO<sub>2</sub>. 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.

**METTLER TOLEDO**

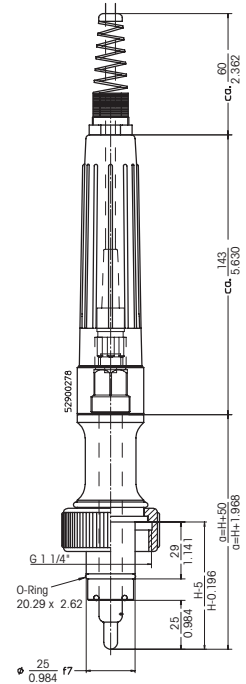
**Technical data of the InFit 761e & InFit 764e:**

	InFit 761e	InFit 764e
<b>Temperature</b>	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
<b>Functional pressure range</b>	S/S-body: max. 16 bar/max. 232 psig Plastic-body: max. 6 bar/max. 87 psig	Max. 6 bar/max. 87 psig
<b>Surface roughness (O-ring-groove/others)</b>	S/S-body: N5/N5 (Ra 16/Ra 16); plastic-body: N6/N7 (Ra 32/Ra 63)	
<b>Insertion length</b>	25 mm/33 mm/40 mm/70 mm/100 mm/150 mm/175 mm/200 mm/275 mm/375 mm	
<b>Wetted parts</b>	DIN 1.4404/AISI 316L, DIN 2.4602/AISI Alloy C22, titanium, PP, PVDF	
<b>Wetted O-rings</b>	FKM-FDA, EPDM-FDA, FFKM-FDA, MVQ Silicone-FDA	
<b>Sensor connection</b>	Pg 13.5	Electrodes with liquid electrolyte
<b>Standard process connections</b>	Ingold DN25; Socket DN19 M26X1; 3/4" R/NSPM (shaft, Ø19 mm); Socket DN25 – groove pos. 43.6 (type "C"); NPT 3/4"/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 ; DN 40 DIN 11851 2); DN38 and DN 51 SMS 1147	
<b>Weight</b>	Approx. 0.5 kg	
<b>Pressure information</b>	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.	
<b>Explosion protection 1)</b>	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	
<b>Certificates</b>	According to FM directives: IS/I,II,III/1/ABCDEFG/T6 Ta = 60°C 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™	

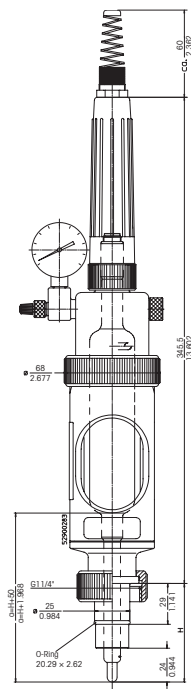
- 1) Valid for all housings with wetted parts made of metal.
- 2) EHEDG compliant with Siersema Process Sealing

▶ [www.mt.com/InFit761e](http://www.mt.com/InFit761e)  
▶ [www.mt.com/InFit764e](http://www.mt.com/InFit764e)

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InFit 761e



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Process Analytics  
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