

PFCheckTM

wireless overfill protection for the real world



- **PORTABLE**
- 900 Mhz digital spread spectrum
- operates on lithium ion battery up to 5 years
- CSA certified intrinsically safe
- dual point (HI and HI-HI) level switch
- adjustable insertion length
- all wetted parts 316SS
- weighs less than 7 lb (<3 kg)
- works with existing **FillCheck**[®] Receivers
- **RUGGED** and **DURABLE!**



PFCheck™

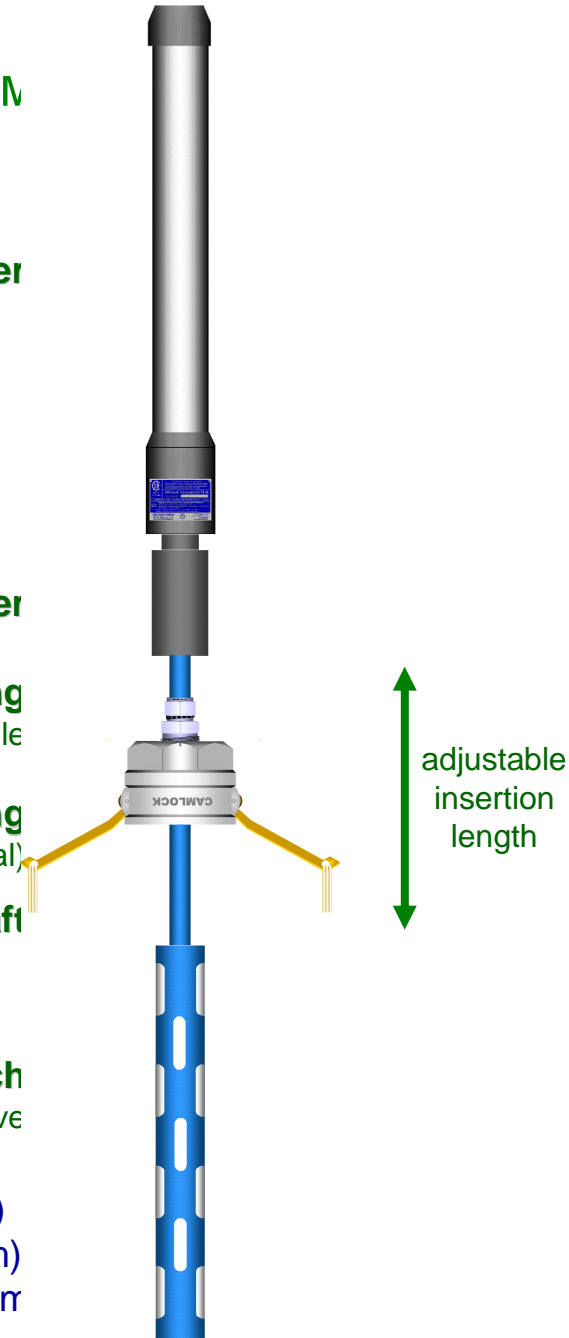
FillCheck® Transmitter

PFCheck™ consists of a **FillCheck® Transmitter** coupled with a ruggedized 1" dual point level switch.

This portable, battery-powered, intrinsically-safe system is designed to provide overflow protection while filling rail cars, barges, tank trucks, or any vessel.

- 3/4" shaft adapter**
- Adjustable gas-tight fitting**
w/ teflon ferrule
- 2" Cam & Groove Fitting**
(optional)
- 3/4" OD 316 SS shaft**
- ruggedized dual 1" float switch**
with 1-3/4" OD slotted outer sleeve

weight: 6.5 lb (2.9 kg)
overall length: 58" (1219 mm)
float switch OD: 1.75" (44.5 mm)



Standard *PFC*Check™

Ordering Information

VARIABLE LENGTHS (PLEASE SPECIFY)

transmitter shaft length
0" – 24"
(0 cm – 610 mm)

Ls

maximum distance
to center of top float
12" – 72"
(305 mm – 1829 mm)

L1

distance between floats
2" – 10"
(51 mm – 254 mm)

L2

FIXED LENGTHS

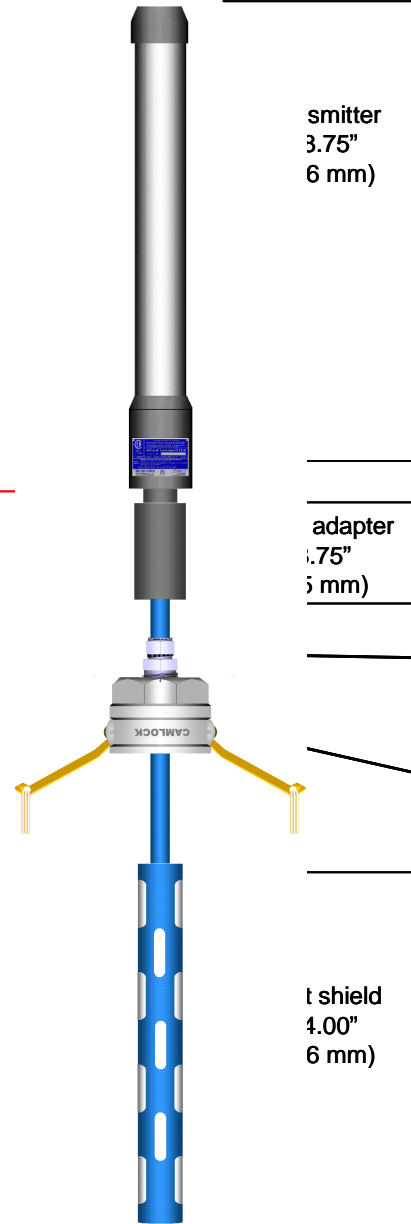
smitter
3.75"
6 mm)

adapter
1.75"
5 mm)

0.75" bored-thru
tubing fitting
with Teflon ferrule
316 stainless body

2" nominal female
"Cam & Groove"
316 stainless body

t shield
4.00"
6 mm)



**NOTE: DIMENSIONS
SHOWN ARE FOR
STANDARD UNITS.**

**CUSTOM UNITS
AVAILABLE IN
VIRTUALLY ANY SIZE,
MATERIAL, OR
CONFIGURATION.**

**PLEASE CALL FOR
PRICES AND DETAILS.**



PfCheck™ Units

Wireless Overfill Protection for Tank Car Loading
All 316 SS construction
Sent to Exxon Mobil Baytown Refinery
27 FEB 2003



**FillCheck®
Transmitter**
(wireless, battery-
powered,
intrinsically safe)



Tank Car
Dome Lid
Clamp
(adjustable)



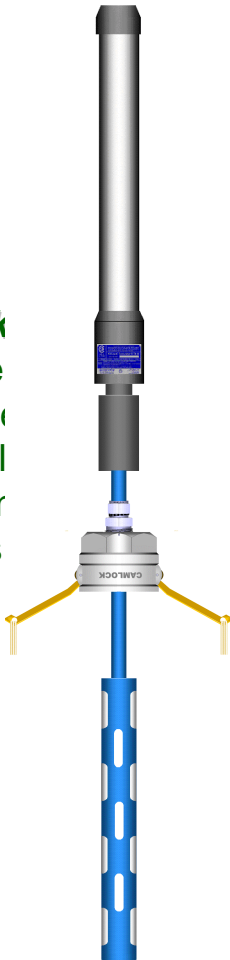
Ruggedized
stainless
steel float
switch

FillCheck[®] Applications

battery-powered
Portable Overfill Protection

PFChek[™] Transmitter *FI-TX-PF*

FillCheck
Transmitters
contain user
replaceable
lithium ion
batteries



900 MHz digital FHSS

supports up to
16 **FillCheck[®]**
Transmitters

FillCheck Discrete Receiver *FI-RX-4X*



4 relay outputs,
each rated at:
2A @ 28 VDC
resistive load
2A @ 120 VAC
resistive load

provides reliable
alarm triggering or
start/stop control for
nearly any machine