



## PIG SIGNALLER DATA SHEET

### Bi-directional mechanical-Visual – Mod. PS MC TCD1

#### DESCRIPTION

The unit is designed and manufactured at our workshop in Mantova, Italy.

TCD Italia pig signallers operate on a mechanical magnetic principle where no dynamic seals are used.

When the pig passes, the spherical probe which protrudes into the pipeline, transfers the vertical movement to the peripheral magnetic devices which in turn move the flag in a vertical position.

Once the signaller has been activated, then to be manually re-set by the operator.

The pig signaller can be removed while the pipeline is under pressure, using a manual valve and a suitable mechanical extractor, in order to carry out this operation in a simple way and with maximum respect for safety.



#### Make a Difference

Adjustable Pig Signaller connection with 25 mm stroke

Extractability with pressure line

Double OR for slip-off seal for greater safety

Suitable for horizontal and vertical installations

The indicator (flag) can be adjustable for the best visibility in every direction

Suitable for Proximity/Limit Switch installation with hermetically sealed for hazardous applications

Suitable for photovoltaic panel installation to send the pig passage signal in areas where electricity is not available.



## DESIGN DATA

Design Code		ASME VIII Div.1
Piping Class	Ansi	150÷900
Design Pressure	barg	100
Operating Pressure	barg	TBC
Hydraulic Test Pressure	barg	TBC
Design Temperature	° C	TBC
Operating Temperature	° C	TBC
Pipe Diameter	inch	TBC
Pipe Thickness	mm.	TBC
Stand off Length (from Nozzle Flange face to internal Pipe)	mm.	TBC
Corrosion Allowance	mm.	TBC
Mounting Connection		Flanged
Removable under Pressure		Yes
Shut-off full bore Valve		Yes/No
Flag Indication		Yes
Removal Tools		Yes/No
Proximity Switch		Yes/No
Junction Box		Yes/No
Solar Panel (for Switch signal power supply)		Yes/No

## MATERIALS

Body	ASTM	SS 304
Flange	ASTM	A105
Internals	ASTM	SS 316
Seals (O Ring type)	/	PTFE / Viton
Valve Body/Trim	ASTM	A105/ SS 316

### TCD Italia srl

Via Bachelet, 81/83  
46047 Porto Mantovano  
Mantova – Italy

tel. : +39 0376 408149  
email : info@tcd-italia.com  
web : www.tcditalia.it

Partita IVA : 02453260206  
Cap. Soc. : 12.500,00 euro i.v.



ACCESSORIES

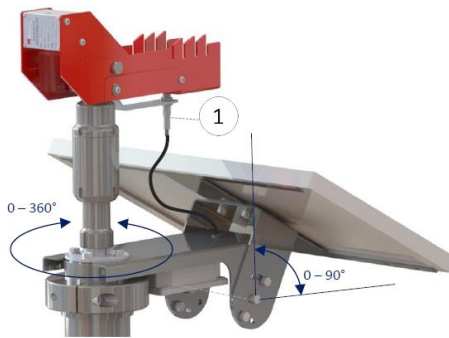
REMOVAL TOOLS

Jacking devices are available for the safe removal of the valve model while the pipeline remains under pressure.



PROXIMITY / LIMIT SWITCH

The Proximity/Limit Switch are hermetically sealed for hazardous applications and allows remote control .



- Bottom Proximity Switch (Magnetic Actuated)
- Side Proximity Switch (Magnetic Actuated))
- ATEX Junction Box -Ex d IIC/IIc T6/T4