

HARSONIC FOR INDUSTRY

TREATMENT OF PIPELINES

For Seawater : max 30m² of pipeline surface with one transducer / For Fresh Water max 60m² with one transducer



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OR



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*Control unit 1B.BoxPROPipes
for connection of max. 1 TD
(146887.198)*

*Power supply 24V
EU plug
(146901.198)*

*Control unit 2B.BoxPROPipes
for connection of max. 2 TD
(146889.198)*

*Power supply 24V
EU plug
(146901.198)*

ADD TRANSDUCER

(select PVC pipes or metal pipes)

Different transducers for **PVC** pipes :



*TD T50 PVC STAN, 10m
cable*

*To install in between
PVC pipes of 50mm
diameter. (136830.198)*



*TD Y63 PVC STAN, 10m cable
To install in pvc pipes of 63mm dia.
(other diameter on request)
(134674.198)*



*TD 2" PVC
(157862.198)
Transducer 2" to srew, PVC
PN16 in drilling saddle
(hottap), 10m stan cable*

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Different transducers for **Stainless Steel** pipes (customized solutions possible)



*SS TD 2.5" , 10m cable
To screw inside a drilling
saddle or hot tap
156334.198 EU
156333.198 USA*



*High pressure TD SS Y 2" , 10 m cable to
install in between pipes
(156336.198 EU /156335.198 USA)*



*TD50grip with SS strap of 70mm
Stan cable 10m (131300.198 xlr /
156337.198 no xlr)
OR EMC cable (10m 146901.198 /
25m 157347.198)*

In relation to the external fixation of transducers onto pipelines, we see that as a solution of the last resort. The disadvantage of this solution is that the transfer of Ultrasound energy is performed indirectly. In this way the external connection of the transducer onto the pipe as well as the vibration of the pipe itself can influence the performance. Seals on the pipeline on which the transducer is glued could absorb the ultrasound vibrations resulting in a reduced or sometimes not performance of the unit

TREATMENT OF PIPELINES IN FOOD INDUSTRY DN65



*SS DN65 UNION , 10m
standard cable
(DN65 union)*

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TREATMENT OF TANKS

For metal tanks : glue SS75 TD on outside of tank (1TD per 30m3)

For concrete tanks : Install SS75 TD on inside of tank (1TD per 30m3)



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146890.198 1bBoxPROtank (for 1 TD)

146981.198 2BBoxPROtank (for 2td)

146901.198 power supply with xlr 24V

TD SS 75 STAN, 10m cable
(133490.198)

OR TD SS 75, EMC cable
10m (146894.198) 25m (157765.198)

TA4246 glue
super strong glue for flat surfaces
(134912.198)

ET500 glue
To fill up airspaces in between TD or to
glue on round surfaces
(133292.198)

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TREATMENT OF CALCIUM AND BIOFILM IN COOLINGTOWERS / HEAT EXCHANGERS

- For small heat exchangers: install 2x SS75 transducers
- For big heat exchangers: install 4x SS75 transducers

Control unit 2BBoxPRO HE
for connection of
max. 2 TD (146892.198)



Power supply 24V
EU plug
(146901.198)



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For TD SS 75 STAN, 10m cable
(133490.198)
OR TD SS 75, EMC cable
10m (146894.198) 25m (157765.198)



coolingtower : 1 coolingtower = 1 fan

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ENCLOSURES



*control unit
2BboxPROCT
(146893.198)*

*Power supply
24V
EU plug
(146901.198)*

*TD50grip with SS strap of
70mm
Stan cable 10m (131300.198
xlr / 156337.198 no xlr) OR
EMC cable (10m
146901.198 / 25m 157347.198)*

*TD SS 75 STAN,
10m cable
(133490.198)
OR TD SS 75,
10m EMC cable
(146894.198) 25m
EMC
(157765.198)*

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IndBox (1/2) PRO
ABS enclosure for protection of 1
BboxPRO
(152497.198)

IndBox (3/4) PRO
PLS enclosure for protection of 2 control units PRO
(152499.198)