

INDUSTRIAL PIPING SYSTEMS

Poly-Flo Induction E-Coupler

Poly-Flo piping system:

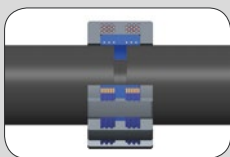
The Poly-Flo system is an extension of the double containment piping system. Pipes and fittings are manufactured in one-step (extruded / molded) and are fully pressure rated.

Welding methods:

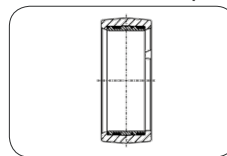
- Simultaneous welding
- Cascade welding
 - Inside pipe: Infrared- or butt-welding
 - Outside pipe: **Induction-welding**

Advantages of cascade welding:

- Welding seam of the inner pipe can be checked visually.
- Pressure test can be done on the inner pipe, before the outside pipe is welded.
- The induction E-coupler is very small; therefore also 2 fittings can be welded together directly.


Induction welding:

The induction E-coupler consists of a metal ring, which is covered with PE or PP by injection molding. The ring inductor is an electrical coil, which creates a magnetic field. Due to the inductive heating, the plastic is plasticized in the welding area and connects the pipe with the E-coupler.

Supply range for induction welding:
Inductions-E-coupler


Code: 199
 Dimensions: 50, 90, 160
 Material:
 • PP-R grey
 • PE 100-RC black

Induktifix IW2000


Code: SAGINDU0010

ring inductor


Code: SAGINDURxxx

clamping device


Code: SAGINDUHxxx

planer


Code: SAGINDUAxxx