

Tender text

## PE100 Quick-Pig pigging station

### General preliminary remark

The fittings to be offered must be manufactured from material in compliance with the PE100+ Association and according to DIN EN 12201 with respect to dimensions, tolerances and quality requirements. Proof must be provided that they were manufactured on the basis of a quality assurance system in accordance with DIN EN ISO 9001. For all fittings a certificate in accordance with DIN EN 10204 must be submitted by the manufacturer.

The body of the fitting must be manufactured from a piece of homogeneous semi-finished material so as to ensure the required reinforcement and therefore high stability of the fitting. Semi-finished materials manufactured from wound rods or the subsequent application of other forms of reinforcing are not permitted.

The pigging station must be manufactured from PE100. It must be pressure class-compatible and consist of the housing with a positively insertable pig chamber (launcher) with the same diameter and with the bayonet connection with an O-ring seal and a stainless steel operating rod as well as a dome appropriate to the installation depth and that is closed pressure-tight with a blind cover on the upper side. All materials used within the fitting must be manufactured from corrosion-free material. The seal must be manufactured from media-resistant material.

The pipe connections must be designed as a spigot in a shape sufficiently long for HE butt welding or HW welding and have the same nominal diameter as the pipeline that is to be pigged. The inner beads of the HE butt welding joint must be removed.

Due to its constructional design the pigging station can be installed underground in the pipeline without a manhole and can also be operated from the ground surface. Standard manhole covers appropriate to the traffic load to be expected must also be taken into account as a separate item.

Bayonet connections with a pig receiving function are optionally/additionally available. Both versions of the bayonet connection (launcher and receiver) must be interchangeable and can be optionally implemented with a Storz coupling as a flushing connection.

The pipe connections can be optionally fitted with REINOGRIP pull-resistant push-fit couplers and/or flange connections appropriate to the isolation valve to be used. The flanges used must be manufactured from corrosion-free, fibre-reinforced plastic. The stub and flange must interlock in a positive fit at their connecting surfaces and the flange must provide additional support to the stub from outside so as to counteract deformation. As a result, the flange connection is fully pressure-resistant according to the pipe dimensioning.

### Standards/guidelines

DIN EN 12201, DIN EN 1092-1, DIN 4124, DIN EN 1671, DWA-A 116-2, DVS 2207, DVS 2210, DIN EN 10204, DIN EN ISO 9001, DIN EN ISO 50001

### Permits/certificates

Acceptance test certificate 3.1 according to DIN EN ISO 10204 for the semi-finished material from the processed raw material with indication of MFR and OIT; only PE100 material in compliance with PE100+ Association

Manufacturer certified according to ISO 9001:2015 and ISO 50001:2011

**Manufacturer:**

Reinert-Ritz GmbH or equivalent

**Performance specification:**

PE100 Quick-Pig pigging station (launcher) for ... [*medium*] pipeline, pressure class-compatible, for underground installation without manhole in a pipeline manufactured from ... [*PE/PVC/...*] of the size DN/OD ... x ... mm SDR ...

Version

- with flushing connection  2"
- 4" (from d 200 mm)

Including accessories:

- bayonet connection as pig receiver
- bayonet connection as pig receiver with flushing connection  2"
- 4" (from d 200 mm)
- press lever

Connections

## Inlet:

- PE100 pipe socket d ... SDR ..., length ... mm
- flange DN ... d ... SDR ... PN ...
- pull-resistant push-fit coupler d ...

## Outlet:

- PE100 pipe socket d ... SDR ..., length ... mm
- flange DN ... d ... SDR ... PN ...
- pull-resistant push-fit coupler d ...

Overall length ... mm]

Pipe cover: ... mm

Operating pressure: ... bar

**Proof of delivery:**

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