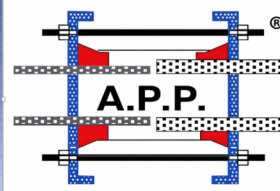


APP-RF/PE

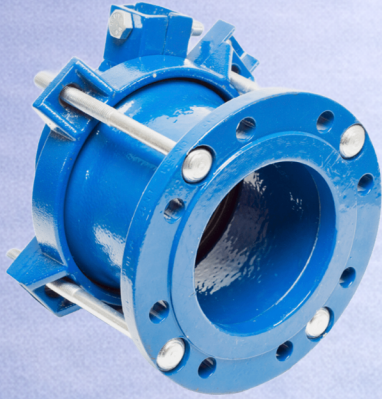
Reducing PE Flange Adaptor



hedef
Engineering Services
Industry and Trade Inc.

Flanged and Reduced Connection for PE Pipelines: APP Engineering

APP Reducing PE Flange Adaptors are specifically developed to directly connect polyethylene (HDPE / PE100) pipelines to flanged equipment such as valves, pumps, and meters with different diameters than the pipe. By combining both diameter reduction and flanged connection in a single product, they deliver maximum efficiency on site.



KEY ADVANTAGES

- ▶ ECombined reduction and flanged connection solution in a single product
- ▶ Optimized gripping system for PE / HDPE pipes
- ▶ Full compatibility regardless of pipe diameter and material differences
- ▶ Easy installation even under harsh and underwater conditions
- ▶ Cost-effective solution reducing stock variety

PARTS AND MATERIAL SPECIFICATIONS

No	Component	Material and Technical Details
1	Sleeve	ST 37 STEEL. High-strength, load-bearing structure.
2	End Rings	Ductile Iron (GGG 40/50) / ST 37. Gasket pressure covers.
3	Flange	ST 37 Steel. Compatible with multiple flange standards.
4	Grip Rings	ST 37 Steel. Ensures axial stability of the pipe.
5	Tee Bolts/Bolts	Galvanized 8.8 Steel / AISI 304 / 316 Stainless Steel. Exceptional corrosion
6	Conical Gasket	EPDM / NBR. Pressure-sensitive sealing technology.
7	Nuts and Washers	Galvanized 8.8 Steel / AISI 304/316 Steel. Reliable locking mechanism.
8	Coating	Epoxy/Thermoplastic Coating. Durable protection, extended longevity.

AREAS OF APPLICATION

- Valve connections from PE pipelines to smaller diameters
- Valve connections from PE pipelines to larger diameters
- Inlet and outlet units of treatment plants
- Connections of HDPE pipelines with different diameters
- Transition points between different pipe materials
- Quick transition points in network constrictions
- Diameter changes in pump and valve chambers