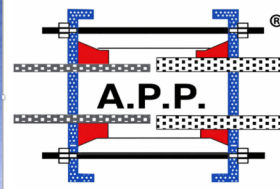


APP-F/PE

PE Flange Connector



hedef
Engineering Services
Industry and Trade Inc.

Secure Flanged Connection for Polyethylene Pipelines: APP Engineering

APP PE Flange Adaptors are developed to provide secure and leak-tight connections between PE / HDPE pipes and flanged equipment such as valves, pumps, flow meters, and other instrumentation. With a specially engineered gripping and sealing system tailored to the flexible nature of PE pipes, they ensure long-lasting and reliable performance.



KEY ADVANTAGES

- ▶ Flanged connection solution for PE / HDPE pipelines
- ▶ Direct connection to valves and equipment
- ▶ Optimized gripping system specifically for PE pipes
- ▶ Easy installation even under harsh and underwater conditions
- ▶ Fast and simple on-site installation
- ▶ Long service life with minimal maintenance
- ▶ Reliable sealing performance under high pressure
- ▶ Cost-effective solution reducing stock variety

PARTS AND MATERIAL SPECIFICATIONS

No	Component Name	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 resistance.
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 and pump connections in PE pipelines
- Flow meter and instrumentation connections in PE systems
- Drinking water reservoirs and booster stations
- Fire hydrant pipeline systems
- Potable water and infrastructure pipelines
- Agricultural irrigation main lines
- Industrial PE process pipelines
- Transition points between different pipe materials