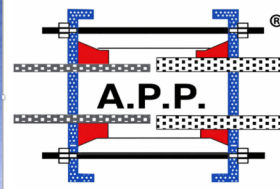


APP-F

Flange Adaptor



hedef
Engineering Services
Industry and Trade Inc.

APP Engineering for Connecting Different Pipe Types to Flanged Equipment

APP Flange Adaptors are designed to securely and leak-tightly connect all types of pipes to flanged equipment such as valves, pumps, flow meters, and pipeline systems. Thanks to their wide tolerance design, they compensate for minor diameter differences on site, ensuring fast and trouble-free installation.

KEY ADVANTAGES



- ▶ Compatible with various pipe materials (Ductile iron, Cast iron, AC, PVC, PE, GRP, etc.)
- ▶ Easily integrates different pipe types into flanged systems
- ▶ Facilitates dismantling and maintenance of flanged valves and equipment
- ▶ Compact design suitable for confined spaces and valve chambers
- ▶ Absorbs angular deviations up to 3° and ground movements
- ▶ Expansion and contraction tolerance up to 5 mm
- ▶ Fast installation under harsh site conditions, reducing labor costs
- ▶ 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 (GGG40/50) / ST37. Pressure covers that exert force on the gasket.
3	Flange	ST 37 Steel. Compatible with multiple flange standards.
4	Tee Bolts/Bolts	Galvanized 8.8 Steel / AISI 304 / 316 Stainless Steel. Exceptional corrosion resistance.
5	Conical Gasket	EPDM / NBR. Pressure-sensitive sealing technology.
6	Nuts and Washers	Galvanized 8.8 Steel / AISI 304 / 316 Stainless Steel. Reliable locking.
7	Coating	Epoxy/Thermoplastic Coating. Durable protection, extended longevity.

AREAS OF APPLICATION

- Potable water and infrastructure pipelines
- Industrial pipeline systems
- Treatment plants and pumping stations
- Valve and equipment connections
- Flow meter and instrumentation installations
- Flange standard conversions (e.g., PN10 to PN16)
- Transition points between different pipe diameters