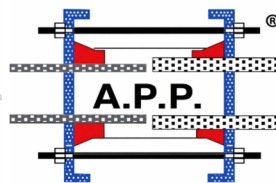


APP-RF

Reducing Flange Adapter



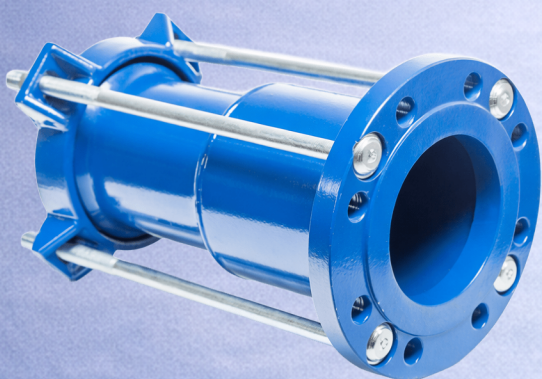
hedef
Engineering Services
Industry and Trade Inc.

Single-Body Solution for Different Diameters and Flange Standards: APP Engineering

APP Reduction Flange Adaptors are specially engineered solutions designed to connect pipelines with different nominal diameters and flange standards (PN10, PN16, PN25, etc.) within a single body.

By eliminating the need for intermediate transition pieces, they provide significant cost and space savings.

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 (GGG 40/50) / ST 37. Pressure covers exerting pressure 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 Steel. Reliable locking mechanism.
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 (PN10, PN16, PN25, etc.)
- Transition points between different pipe diameters