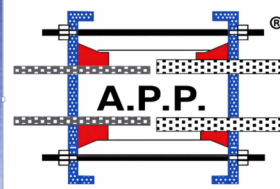


# APP-OZL/DVG

## Wall Coupling



**hedef**  
Engineering Services  
Industry and Trade Inc.

### Safe and Leak-Tight Solution for Wall and Structural Penetrations

APP Type Wall Couplings are designed to ensure the safe passage of pipelines through concrete walls and structural elements. With optional adaptor-ended connections, they are compatible with all types of pipes, minimizing the need for additional components. They provide both leak-tight sealing and structural integrity, protecting both the pipeline and the building structure.

#### KEY ADVANTAGES



- ▶ Wall penetration solution without the need for additional fittings
- ▶ Absorbs angular deviations up to 3° and accommodates ground movement
- ▶ Expansion and contraction tolerance up to 5 mm
- ▶ Full compatibility with various pipe materials (Ductile iron, Cast iron, AC, PVC, PE, GRP, etc.)
- ▶ Safe application in wall and concrete penetrations
- ▶ Special design ensuring leak-tight sealing
- ▶ Protective barrier between pipeline and structure
- ▶ Cost-effective solution reducing stock variety

#### PARTS AND MATERIAL SPECIFICATIONS

| No | Component             | Material and Technical Details   |
|----|-----------------------|--|
| 1  | Wall Penetration Pipe | 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  | Flangelar             | 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 mechanism.         |
| 7  | Coating               | Epoxy/Thermoplastic Coating. Durable protection, extended longevity.                     |

#### AREAS OF APPLICATION

- Inlet and outlet connections of potable water reservoirs
- Wall penetrations in treatment plant structures
- Pump station sumps and chambers
- Hydraulic structures in dams and irrigation systems
- Foundation penetrations in industrial facilities
- Valve chambers and flow meter manholes