

Product Description: Oil Handling Elbow Fittings

This product is a specialized quick-connect assembly for oil tank truck bottom discharge, designed for sealed oil transfer between oil tank trucks and underground storage tanks at gas stations. Also known as an oil discharge elbow or oil transfer elbow, its primary function is to connect the discharge port of an oil tank truck with a gas station discharge adapter, enabling gravity-based sealed oil transfer for the handling of gasoline, diesel, kerosene, and other petroleum products. The elbow alters the routing of the pipeline and features 360° rotation capability, preventing hose kinking under pressure, as well as avoiding hose twisting, damage, or oil leakage. It is equipped with an inspection window, allowing operators to visually monitor the flow status of the oil during operation, determine whether discharge is occurring or if there is any overflow, thereby facilitating on-site safety monitoring. The cam-operated quick-release handle enables rapid assembly and disassembly, reducing on-site operation time and lowering the risk of oil leakage.

Core Features:

1. Rotating mechanism: The elbow body can rotate 360°, allowing the hose to swing freely according to the angle, thereby preventing the hose from twisting or kinking, while ensuring that the oil discharge flow rate remains unaffected.
2. Cam-type quick connector: The cam handle locks in place with a single press, facilitating easy installation and removal; it features a radial seal, ensuring reliable sealing performance under high flow rates.
3. Inspection window: A transparent viewing window that allows observation of the oil flow, enables verification of whether oil discharge has been completed, and helps prevent oil overflow from the tank.
4. Modular design: The joint end is replaceable, enabling compatibility with hoses of various specifications and API adapters; this facilitates the maintenance and replacement of components without the need to replace the entire elbow assembly.
5. Explosion-proof design: Fully metal construction, spark-proof, meeting the explosion-proof safety requirements for gas stations.

nominal diameter	DN80
material quality	aluferr
working pressure	0.6MPa
working temperature	-40°C ~ 70°C
rate of flow	Up to 1400 L/min
type of attachment	API Adapter Interface
Net weight per unit (kg/set)	5.5-6.5kg

Gas station spare part: Oil discharge elbow

DS610

●functional characteristics

1. Utilizing cast aluminum alloy, the component is lightweight, corrosion-resistant, and explosion-proof, making it suitable for oil-related operating conditions.
2. Seals: Fluororubber (Viton) / Nitrile rubber; resistant to gasoline and diesel, resistant to oil-induced swelling, ensuring leak-free sealing performance.
3. Handle and cam lock: aluminum alloy / bronze; resistant to wear from repeated opening and closing.



