GENERAL INFORMATION
Avery-Hardoll self sealing couplings are designed for use wherever it is necessary to connect and disconnect hoses and pipelines under pressure, quickly and without spillage. They are designed primarily for use in the petroleum, chemical and brewing industries where reliability and safety are of prime concern. The Offshore version has stainless steel internals and a special bush.

DESCRIPTION
Hose units incorporate the female connector and a swivel for hose connection. Tank units are flanged and incorporate the male connector.

OPERATION
Operation is single action, using a straightforward turning motion to connect the couplings and open a flow path.

An initial push and turn action on the hose unit causes engagement with the tank unit, thus locking and sealing the two units together. Further rotation causes the internal valves to open, thereby allowing flow with minimum pressure drop. The connection and valve mechanism is interlocked such that the valve can only be opened by fully engaging and sealing the hose unit on its matching tank unit.

On disconnection, the valves fully close before the couplings separate and spillage is therefore negligible.

- UNRIVALLED QUALITY FOR TROUBLE FREE OPERATION AND LONG LIFE
- NEGLIGIBLE SPILLAGE
- ENVIRONMENTALLY FRIENDLY
- EASY SINGLE ACTION COUPLING AND VALVE OPENING
- MATERIAL: ALUMINIUM ALLOY / ST. STEEL
- NITRILE OR FLUOROCARBON SEALS
- SELECTIVITY OPTIONS
- OFFSHORE VERSION
1 - HOSE UNIT, STRAIGHT TYPE CCMY 558*
4-inch ASSP
HOSE UNIT, STRAIGHT TYPE CCMY 559*
4-inch BSP(P)
Material: Aluminium alloy with stainless steel components
Weight: 13.0 kg (28.8 lb)
Max. working pressure: 150 psi (10 bar)
Max. coupling pressure: 100 psi (7 bar)

2 - HOSE UNIT, 90° SWIVEL ELBOW CCMY 554*
4-inch ASSPT
HOSE UNIT, 90° SWIVEL ELBOW CCMY 555*
4-inch BSP(P)
Material: Aluminium alloy with stainless steel components
Weight: 15.9 kg (35 lb)
Max. working pressure: 150 psi (10 bar)
Max. coupling pressure: 100 psi (7 bar)

3 - HOSE UNIT, 45° BEND CCMY 550*
4-inch ASSPT
HOSE UNIT, 45° BEND CCMY 551*
4-inch BSP(P)
Material: Aluminium alloy with stainless steel components
Weight: 11.8 kg (26 lb)
Max. working pressure: 150 psi (10 bar)
Max. coupling pressure: 100 psi (7 bar)

4 - TANK UNIT FLANGED VERSION CCMY 4500*
NORTH SEA VERSION CCMY 4501*
Material: Aluminium alloy with stainless steel components
Weight: 5.5 kg (12 lb)
Max. working pressure: 150 psi (10 bar)

5 - DUST CAP FOR HOSE UNIT CCMY 606
Material: Aluminium alloy
Weight: 0.56 kg (1.2 lb)

6 - DUST CAP FOR TANK UNIT CCMY 600
Material: Aluminium alloy
Weight: 0.9 kg (1.9 lb)

7 - LOCKING CAP FOR TANK UNIT CCMY 1360
Material: Aluminium alloy
Weight: 1.36 kg (3.0 lb)

* Seals
Nitrile as standard for Fluorocarbon add VN to part number

PRESSURE DROP

PRODUCT: Distilled Specific gravity at 80 / 60°F = 0.795
Viscosity at 60°F = 1.75 centistokes

Dimensions in millimeters (inches)

SELECTIVITY
To avoid product contamination caused by connecting a hose unit to the wrong tank unit, selective versions of the hose and tank units are available.

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