

## Fuelling products

# Couplings

## 4-inch self sealing industrial couplings

CCMY4500



CCMY4501  
Offshore version



### Key Features

- Unrivalled quality for trouble free operation and long life
- Negligible spillage
- Environmentally friendly
- Easy single action coupling and valve opening
- Material: aluminium alloy / stainless steel components
- Nitrile or fluorocarbon seals
- Selectivity options
- Offshore version

### GENERAL INFORMATION

Meggitt 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.

### Meggitt Control Systems

#### Our product competencies & services:

Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products  
Ground fuelling products | Energy products | Aftermarket services

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extreme environments

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### Specification

#### OPERATION

Operation is single action, using a straight forward 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.

1 - HOSE UNIT, STRAIGHT TYPE	CCMY 558*
4-inch ASSP	
HOSE UNIT, STRAIGHT TYPE	CCMY 559*
4-inch BSP(P)	

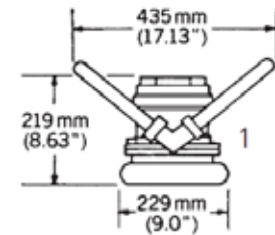
Material	Aluminium alloy with stainless steel components
Weight	13.0 kg (28.8 lb)
Max. working pressure	150psi (10 bar)
Max. coupling pressure	100 psi (7 bar)

2 - HOSE UNIT, 90 SWIVEL ELBOW	CCMY 554*
4-inch ASSPT	
HOSE UNIT, 90 SWIVEL ELBOW	CCMY 555*
4-inch BSP(P)	

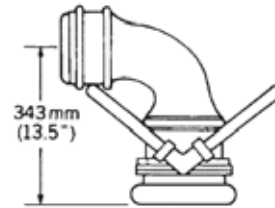
Material	Aluminium alloy with stainless steel components
Weight	15.9 kg (35 lb)
Max. working pressure	150 psi (10 bar)
Max. coupling pressure	100 psi (7 bar)

3 - HOSE UNIT, 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)



**STRAIGHT TYPE**  
CCMY 558  
CCMY 559



**90° SWIVEL ELBOW**  
CCMY 554  
CCMY 555

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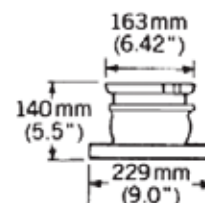
### Specification

#### 4 - TANK UNIT FLANGED VERSION NORTH SEA VERSION

CCMY 4500\*  
CCMY 4501\*

Material Aluminium alloy with stainless steel components  
Weight 5.5 kg (12 lb)  
Max. working pressure 150 psi (10 bar)

'H' VERSION of both hose and tank units  
Max. working pressure 350 psi (24 bar)



**TANK UNIT**  
CCMY 4500  
Flange has 8 holes  $\frac{3}{4}$ " (19mm) dia  
on a  $7\frac{1}{2}$ " (190mm) PCD

#### 5 - DUST CAP FOR HOSE UNIT

CCMY 606

Material Aluminium alloy  
Weight 0.56 kg (1.2 lb)



**DUST CAP**  
(HOSE UNIT)  
CCMY 606

#### 6 - DUST CAP FOR TANK UNIT

CCMY 600

Material Aluminium alloy  
Weight 0.9 kg (1.9 lb)



**DUST CAP**  
(TANK UNIT)  
CCMY 600

#### 7 - LOCKING CAP FOR TANK UNIT

CCMY 1360

Material Aluminium alloy  
Weight 1.36 kg (3.0 lb)



**LOCKING CAP**  
(TANK UNIT)  
CCMY 1360

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

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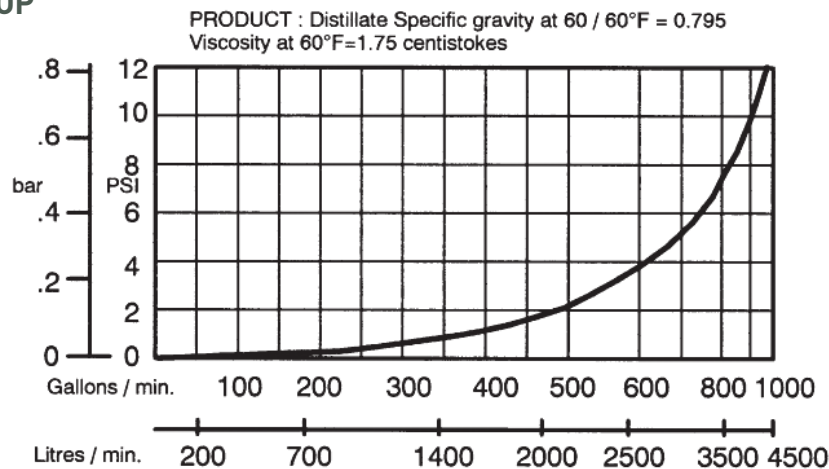
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### Key Dimensions

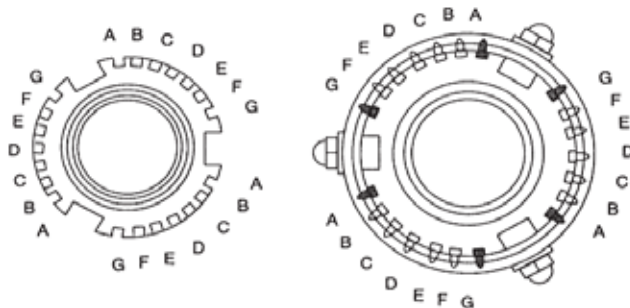
#### PRESSURE DROP



#### 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.

Selective Position No.	1	2	3	4	5	6	7
Pin & Slot Position	A&B	A&C	A&D	A&E	A&F	A&G	B&C
Selective Position No.	8	9	10	11	12	13	14
Pin & Slot Position	B&D	B&E	B&F	B&G	C&D	C&E	C&F
Selective Position No.	15	16	17	18	19	20	21
Pin & Slot Position	C&G	D&E	D&F	D&G	E&F	E&G	F&G



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