

PRODUCTS - Couplings

## 1 1/2 and 2 INCH STAINLESS STEEL SELF SEALING COUPLINGS



### GENERAL INFORMATION

The Avery-Hardoll CCMY 8150-series stainless steel, self-sealing couplings are designed primarily for use in the petroleum, chemical and brewing industries where reliability and safety are of primary concern.

The positive action, bayonet-type locking mechanisms facilitate the coupling and uncoupling of pressurised hoses and pipelines, under no-flow conditions.

A coupling consists of a hose unit and a tank unit, each with its own dust cap. Design features of the couplings include PTFE coating of components to promote ease of operation, selectivity to prevent inadvertent mixing of products and a choice of seal material to suit particular applications.

### OPERATION

#### HOSE UNIT

The hose unit consists of a cam-operated, self-sealing valve assembly, a female bayonet type connector and a threaded hose connector which is free to rotate in its housing. The bayonet connector and valve assembly are interlocked such that the valve can only be opened by fully engaging the hose unit on its matching tank unit.

### TANK UNIT

The tank units include a male bayonet-type connector and are flanged or threaded to suit installation requirements. Each unit contains a 'fail-safe' spring-loaded valve seating on a tapered seat. The valve is controlled by the action of coupling and uncoupling the base unit.

- FAIL SAFE TANK UNIT
- HOSE UNIT WITH BUILT-IN SWIVEL
- 60 psi COUPLING PRESSURE
- 300 psi WORKING PRESSURE
- CONSTRUCTED FROM 316 STAINLESS STEEL
- CHOICE OF SEAL MATERIAL
- OPTIONAL HANDLE

1 - HOSE UNIT 1.5 IN BSP  
2 - HOSE UNIT 2 IN BSP

CCMY 8153  
CCMY 8154

Material 316 stainless steel  
Weight 1.95 kg  
(with handle) 2.09 kg  
Max. working pressure 300 psi  
Max. coupling pressure 60 psi  
Handle (optional) Pt. No. suffix H

TANK UNIT THREADED VERSION  
3 - 1.5 IN BSP  
4 - 2 IN BSP

CCMY 8151  
CCMY 8152

Material 316 stainless steel  
Weight 1.59 kg  
Max. working pressure 300 psi  
Max. coupling pressure 60 psi

5 - TANK UNIT  
FLANGED VERSION

CCMY 8155

Material 316 stainless steel  
Weight 3.59 kg  
Max. working pressure 300 psi  
Max. coupling pressure 60 psi

Flanged tank units can be drilled to customer requirements on request

6 - DUST CAP FOR HOSE UNIT

CCMY 324

Material Synthetic rubber

7 - DUST CAP FOR TANK UNIT

CCMY 4

Material Gunmetal

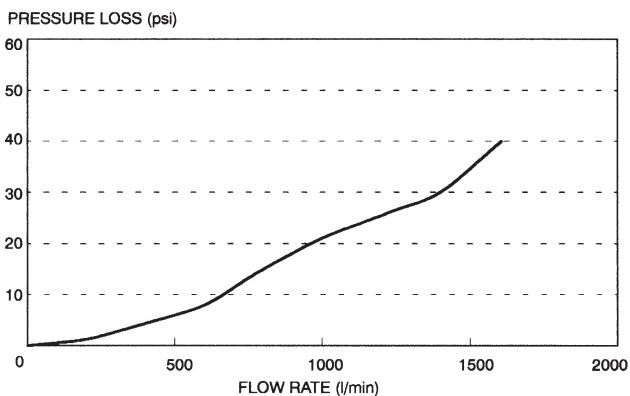
Seals

Hose and tank units are available with a choice of seals:

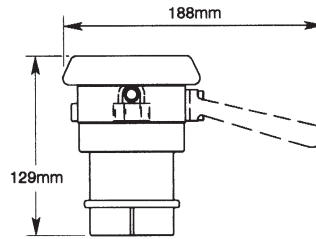
Seal Material	Pt. No. suffix
Viton	V
Nitrile	N
Chemraz	C
E.P.	E

#### PRESSURE DROP

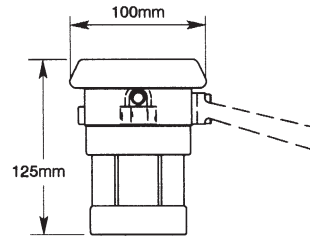
Avery Hardoll cam-operated couplings have exceptional low pressure loss characteristics



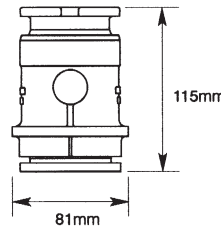
1 CCMY 8153



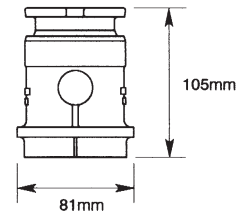
2 CCMY 8154



3 CCMY 8151

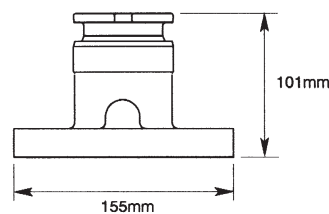


4 CCMY 8152



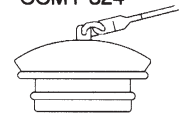
5

CCMY 8155



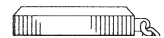
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CCMY 324



7

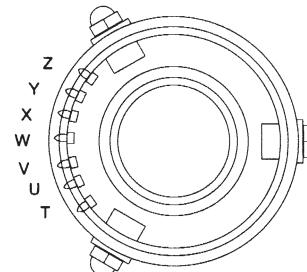
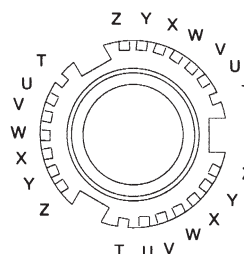
CCMY 4



#### SELECTIVITY

Each unit has seven possible selective positions designated alphabetically from -ST to -SZ

Selective Position Letter	T	U	V	W	X	Y	Z
Pin & Slot Position	as shown						



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