

AVERY HARDOLL AVIATION REFUELLING EQUIPMENT

We have the following Avery Hardoll products available either from stock or within realistic delivery times, along with an extensive stock of spare parts to support them.

Refuelling Couplings.

HU3000 and HU4000 into plane refuelling couplings, compatible with British Aerospace Specification 4C14, ISO R45 and NATO Stanag 3105 aircraft refuelling connectors. Accepted by the major fuel suppliers and various air forces throughout the world. The couplings are available with stick, ring and spread handle options, vacuum relief valves, bonding cables, along with a range of inlet swivels, quick disconnects and dry break fittings. Both BSPP and NPT female threaded inlets can be provided.

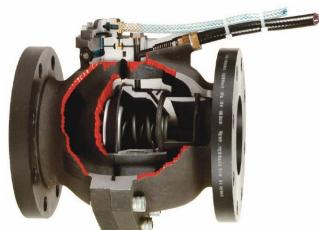


Aviation Ground Units.

The well proven FCMY107 aviation ground units and FCMY122 caps are used as Jet A1 bowser bottom load couplings, feed points to refuelling steps, and depot recirculation points, and are available selective or non selective, with 3" ASA150 or TW80 flanged ends. Two basic variants are now provided, the standard low pressure version or the high pressure version with an integral pressure relief feature for high coupling pressure applications.

Hydrant Dispenser Inlet Couplings.

The CCMY8500M3 series of hydrant intake couplers meet the operational and test requirements of EI/API1584 Third Edition for 4" hydrant system components. Available in a basic 90 degree swivel configuration or fitted with an air set pressure control deadman valve option which has been proven to give precise and responsive pressure control at the point of entry to the vehicle. Connection options are either 4" BSPP or NPT female thread and a trolley option can be specified.



Inline Pressure Control/Deadman Valves.

The CCMY8600M2 air referenced inline pressure control/deadman valve uses the same successful and well proven module as the CCMY8500M2 series inlet coupling. The unit offers high flow rates with low pressure drop, excellent stability at all flow rates and a controlled opening and closure characteristics. The unit is supplied with 4" ASA150 flanged ends.



Positive Displacement Bulketers.

The BM series bulkmeter has become the industry standard for aircraft refuelling, where accuracy, repeatability and reliability are essential. Available in a range of sizes from 2.1/2" up to 6" with flow rates up to 3870 Litres/Minute, with Ductile Iron or fabricated Steel manifolds. The BM has now been joined by the lower cost CM meter, which shares much of the tried and tested technology of the BM, but is specifically aimed at general industrial applications. The CM meter is available from 2.1/2" up to 6" with flow rates up to 4000 Litres/Minute. Meters are available with rate of flow indicators, preset facility, strainers, air release vessels, flow control, and automatic additive injection. They can also be fitted with the Masterload II electronic delivery system.

Hydrant Pit Boxes.

The GBMY5050M2 Hydrant Pit Box has been in widespread use at international airports for many years. It has a durable Carbon Steel body with a lightweight yet robust Aluminium cover. It is compatible with a wide range of internals, including all Avery Hardoll and competitors pit valves conforming to the API recommendations. This design, has been developed jointly with the major fuelling companies to absorb large ground movements and incorporates a large high level seal for ease of maintenance.



Hydrant Pit Valves.

The PVMY1000M3 6 inch hydrant pit valve conforms fully to the IP and API recommendations. It incorporates a pressure equalising valve for ease of coupling, automatic thermal pressure relief and is fitted with a stoneguard strainer as standard and lanyard. The PVMY2010M3 is a more compact 4 inch unit which was developed for use with under hydrant isolation valves, and has the same basic features as the PVMY1000M3. Both the PVMY1000M3 and the PVMY2010M3 are fully compliant with EI/API1584 Third Edition and are available with an optional 20 mesh strainer, or dual air pilot valve options. A Stainless Steel API adapter is now standard.



Hydrant Sampling, Vent and Drain Unit.

The GBMY3806M2 Hydrant Sampling Vent and Drain Unit fits into standard 18" hydrant pits and provides an effective and safe means of carrying out sampling on hydrant low points or venting on hydrant high points. It incorporates twin isolation valves for extra security and a 1.1/2" Stainless Steel 3 point bayonet type tank unit and cap. It is also fitted with a pressure relief bleed valve in the tank unit body and an optional thermal pressure relief/ manual bleed valve in the base flange. During normal operation the lower ball valve is left in the open position and the upper ball valve is closed until the pressure above it is released. A version is also now available which automatically relieves the pressure on coupling the hose unit to the tank unit.



Lightweight API Tank Units.

The F433F Lightweight Tank Unit has been developed to load and offload petroleum tankers where a 4" API connector is required. It is commonly used for bottom loading tankers, or for the trailer suction coupling on aviation refuelling bowsers. The flanged connection is 4" TTMA, and the unit can be supplied with a sealed cap.



Self Sealing Hose Couplings.

First introduced in the early 1960s, the Avery Hardoll range of self sealing hose couplings has set the industry standard for safety and reliability. The coupling is connected by a push and turn operation which causes 3 rollers to engage in slots in the tank unit, further rotation opens the valves in both halves. The couplings incorporate an integral swivel joint, and are available in sizes from 1.1/2 inch up to 4 inch in Gunmetal and Stainless Steel. Hose units are available threaded BSPP, and tank units can be either threaded or flanged. The couplings can be supplied with selectivity if required.



ISO45 Adapters.

The FCMY266 and FCMY267 underwing to overwing adapters have been developed from the now discontinued aircraft adapter range. They are designed to provide a quick and operationally friendly method of connecting an extension hose to an ISO45 female hose coupling. They incorporate robust handles for ease of connection and disconnection, and are available threaded 2.1/2 inch BSPP male or female, or 1.1/2 inch BSPP male.

