

## COLLINS YOULDON MANLIDS

### Style 40A and Style 42A manhole covers

Suitable for use on non-pressure tanks and silos with a maximum working pressure of 0.35 bar (5 psi). Available in a range of sizes and specifications. Alternative versions of these manhole covers can be supplied with an integral 10" diameter pressure relief valve (see data on Style 40VM, Style 42VM and Style 40VMP manhole covers).

#### Style 40A

The Style 40A manhole cover has a 10" diameter quick release hinged lid for filling or visual inspection. The baseplate can also be removed by releasing the clamp band to provide a larger aperture for inspection or access. The neckring is designed for welding into the tank shell, thus eliminating the need for adaptor flanges, etc.

Available in mild steel with a 16" or 24" diameter baseplate.

A lock can be fitted if required (key must be ordered separately) and a stainless steel breather vent may be supplied for use with non- hazardous liquids only.



#### Style 42A

The Style 42A manhole cover has a 10" diameter quick release hinged opening for filling or visual inspection. The neckring is designed for welding into the tank shell, thus eliminating the need for adaptor flanges, etc.

Available in mild or stainless steel.

A stainless steel breather vent may be supplied for use with non- hazardous liquids only.



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## COLLINS YOULDON MANLIDS

### Style 40VM and Style 42VM manhole covers

Suitable for use on non-pressure tanks and silos with a maximum working pressure of 0.35 bar (5 psi). The 10" diameter quick release fill cover provides an aperture for filling or visual inspection. The fill cover also incorporates a 10" diameter pressure relief valve to provide protection to the tank in the event of over-filling or fire engulfment. The opening pressure is set during manufacture at nominal settings of 0.05 bar, 0.1 bar or 0.21 bar.

#### Style 40VM

The Style 40VM manhole cover is available in mild steel only with 16", 20" or 24" diameter baseplate which may be removed by releasing the clamp ring to provide a larger aperture for inspection or access.

The neck ring is designed for welding into the tank shell, thus eliminating the need for adaptor flanges, etc.

Optional Stainless steel neckring available upon request.



#### Style 42VM

The Style 42VM manhole cover is available in mild steel only. The neckring is designed for welding into the tank shell, thus eliminating the need for adaptor flanges, etc.

Optional Stainless steel neckring and flanged mild steel neck ring available upon request.



#### Important Note

Before ordering please ensure that the relief valve on this manhole cover is suitable for your application. If this valve is intended to protect against over pressurisation of a vessel or system, it is important that an assessment is made to ensure that the pressure setting and the flow capability of the valve will ensure protection against damage to the plant and/or personnel. Full technical information is given in our Installation and Maintenance Manual SDM04.

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### Style 40VMP

Suitable for tanks used for the conveyance of petroleum spirit and fuel oils. Normally fitted with a Breather Vent, which must be ordered separately. The maximum working pressure of these manhole covers is 0.35 bar (5 psi) and the 10" fill cover is spring loaded to act as a pressure relief valve with a nominal opening pressure of 0.24 bar (3.5 psig).

**Note:** These manhole covers do not comply with the requirements of EN13317.

The Style 40VMP manhole cover has an aluminium 10" diameter hinged fill cover which may be used for visual inspection and routine filling of the vessel. The baseplate may be removed to provide a larger aperture which may be suitable for access.

These manhole covers are not tested before despatch and must be tested in situ after installation.

Available in mild steel only with 16" diameter baseplate. Lock is fitted at time of manufacture. (Key must be ordered separately).



### Important Note

Before ordering please ensure that this manhole cover is suitable for your application. It is important that an assessment is made to ensure that the pressure setting and flow capacity of the 10" pressure relief valve will ensure protection against damage to the vessel and/or personnel. Full technical information is given in our Installation and Maintenance Manual SDM05.

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## COLLINS YOULDON MANLIDS

### Style 46A manhole cover

Suitable for use on non-pressure tanks and silos with a maximum working pressure of 0.35 bar (5 psi).

The Style 46A manhole cover has a hinged lid on an 18" inside diameter neckring, which is designed for welding directly into the tank shell, eliminating the need for adaptor flanges.

Manufactured in mild steel (zinc electro-plated, except for the neckring) with a nitrile bonded cork gasket, this manlid is available with a deep neckring.

The swingbolt is supplied with a hole at the end of the thread in order that a seal may be fitted if required.



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### Style 50A series manhole covers and Breather Vent

The Style 50A manhole cover is specifically for use on petroleum spirit and fuel oil road tankers, for safe and reliable operation with low maintenance costs. Designed to ensure long trouble-free life, the construction is rugged with few moving parts.

A 10" diameter emergency pressure relief valve is an integral part of the manhole cover and provides relief in the event of fire engulfment or over-filling. Collins Youldon Breather Vent must be ordered separately.

The lock is fitted at the time of manufacturer. Key must be ordered separately.



The Style 50A 16" diameter manhole cover was originally approved under Section 11 of Part 1 of Schedule 2 of the Dangerous Substances (Conveyance by Road in Road Tankers and Tank Containers) Regulations 1981, but has now been superseded. Spares are available for the Style 50A and complete manhole cover assemblies may be supplied if regulations for a particular application permit their use.

### Breather Vent

Our Breather Vent valve is normally fitted to the ST50A and ST40VMP manhole covers. This patented valve is designed for expansion and contraction of gases within the tank due to design in ambient temperature. to minimise the loss of product, after the initial surge, in the event of tank upset or overturn. It should be noted that this vent may not provide sufficient venting for product discharge.



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