

# 5

## Brigade Equipment

Mechanical System Equipment





## Section 5

## BRIGADE EQUIPMENT



**Wet & Dry Riser Spares**  
99 - 101



**Standpipes & Spares**  
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**Hydrants & Spares**  
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**Lay Flat Hose**  
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**Couplings**  
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**Branchpipes & Nozzles**  
104

TridolC6 C 6 is intended for use as  
TridolC6 C 3 is intended for use as  
**Part No.** **Description**  
81/03664 Tridol C - 6% AFFF 25 LTR Drum  
81/03661 Tridol C - 3% AFFF 25 LTR Drum

**Tridol, Angus & FilmFoam**  
105 - 106



## □ Dry and Wet Riser Parts

### INLET BREECHINGS

Comply with BS 5041 Part 3

Dry riser inlet breechings are normally fitted in glass fronted cabinets on the outside walls of buildings and have either two or four inlet connections. They are used to feed water into the rising main through 2 1/2" fire hoses. A 100mm (4") rising main uses a two-way inlet breeching and a 150mm (6") main uses a four-way inlet breeching.

#### Drain Valves to BS 5154

Normally fitted to inlet breechings but can be supplied separately.

#### Two-way Inlet Breechings

4" BSTD, or 100mm NP16 – can be mounted either horizontally or vertically.



### INLET BREECHINGS

Part No.	Description
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46/54189	Inlet breeching two way flanged 4" BSTD. Includes blank cap and chain, drain valve and rubber cap
46/54903	Inlet breeching two way flanged 100mm. Includes blank cap and chain, drain valve and rubber cap
46/57363	Drain valve
46/57364	Blank cap and chain (for drain valve)
46/57365	Rubber cap female (2 1/2")



### INLET AND OUTLET CABINETS

Comply with BS 5041 Part 3

- A range of inlet and outlet cabinets built to comply with BS5041: Part 5
- Designed to house inlet breechings and landing valves
- Georgian wired glass panel and spring cylinder lock with key
- Manufactured from zintec, epoxy polyester powder coated in red

#### Cabinet sizes

Type of cabinet	Width (mm)	Height (mm)	Depth (mm)
Two way vertical inlet	395	595	295
Two way horizontal inlet	595	395	295
Outlet	460	630	275

NB: Please measure size of aperture before ordering.

Part No.	Description
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43/01035	Two way inlet vertical dry riser cabinet
43/01036	Two way inlet horizontal dry riser cabinet
43/01034	Dry riser Outlet cabinet - label 200 x 200mm
81/02349	Spare glass for vertical dry riser inlet cabinet - H505 x W260mm
81/02350	Spare glass for horizontal dry riser inlet cabinet - H310 x W450mm
81/02351	Spare glass for dry riser outlet cabinet - H495 x W330mm





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## WET RISER GLOBE OUTLET VALVES

- These screw-down stop valves are primarily used as hydrant outlets on wet rising mains, but are occasionally used on dry risers under special circumstances and after discussion with the fire brigade
- Gunmetal bodies, major working parts in manganese bronze. Comply with the requirements of BS 504: Part 1 and BS 5154
- Outlets are 2 1/2" instantaneous female to BS 336 and inlets flanged or screwed as required
- Accessories include blank caps and chain, straps and padlocks

## Horizontal/Oblique

## Part No. Description

46/54088	Flanged 2 1/2" BSTD horizontal
46/54090	Flanged 2 1/2" BSTD oblique
46/54902	Flanged 65mm NP16 oblique

## Bib nose/Right angle

## Part No. Description

46/54516	Flanged 2 1/2" BSTD bib nose
46/54089	Flanged 2 1/2" BSTD right angle

Horizontal



Oblique



Bib Nose



Right Angle

## DRY RISER GATE VALVES

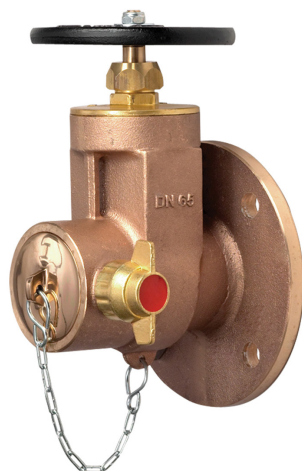
- With 2 1/2" instantaneous female outlet to BS 336 supplied with blank cap and chain, strap and padlock
- Dry riser gate valves comply with the requirements of BS 5041:Part 2
- Valves can be mounted in boxes complying with BS 5041:Part 4
- Inlet flanged 2 1/2" BSP Table D or 65mm NP16 BS 4504 Table 16/21

## Part No. Description

46/54101	Flanged 2 1/2" BSTD horizontal
46/54897	Flanged 65mm NP16 horizontal
46/54923	2 1/2" BSP female inlet horizontal



Female



Flanged







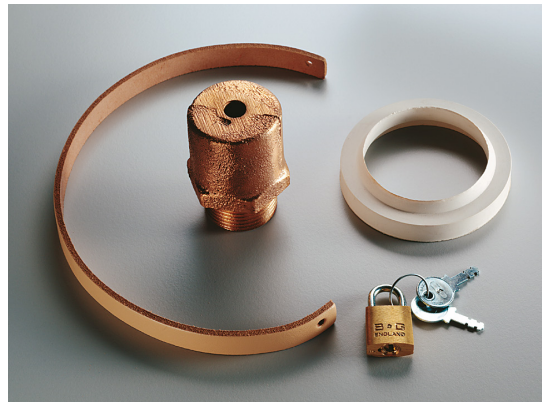
## VALVE ANCILLARIES

- The anti-tamper leather strap is for use with globe valves and can be fastened using the 3/4" brass padlock. Other accessories include a replacement washer and an air release valve for use at the top of a hydrant system.

### Air Release Valves

- Air valves are fitted at the top of a riser to release air when the riser is charged with water or to admit air when draining off. Air release valve is 1" BSP male screwed.

Part No.	Description
46/54458	Padlock brass 40mm (includes generic keys)
46/54456	Leather strap 1/2" x 13 3/4" Red
46/54944	Leather strap 1/2" x 22" Red
46/54175	Air release valve 1" bsp
46/54470	Washer 2 1/2" instantaneous



## □ Hydrants and Spares



### STANDPIPE/ BARS/ KEYS

- Standpipes, keys and bars are used to obtain water from a pressurised mains supply via underground hydrants. The standard outlet for underground valves according to BS 750 is 2 1/2" BSRT male.
- Standpipes have as standard a 2 1/2" BSRT female inlet, which is compatible with our underground hydrants
- Standpipes are supplied either with single or double head outlets
- Outlets are 2 1/2" female instantaneous with single twist release (BS 336)
- The double-head type is supplied with one blank plug as standard
- Contractors' standpipes are supplied with a brass double check valve as standard

Part No.	Description
46/54988	Standpipe double head alloy 2 1/2" BSRT female
46/32575	Standpipe single head alloy 2 1/2" BSRT female
46/57604	Contractors standpipe single tap c/w double check valve
46/54177	Hydrant bar and key alloy
46/54178	Hydrant bar and key steel
46/57366	Standpipe base washer

## UNDERGROUND HYDRANTS

### BS 750 Type II Hydrant

- Screw-down type, cast iron body with manganese bronze valve and forged bronze spindle
- Supplied with blank cap, chain and frost valve

Part No.	Description
46/57368	Underground hydrant type 2
46/57382	Plastic blank cap (Item A)





## Section 5

## BRIGADE EQUIPMENT

**BLANK PLUGS**

- Blank plugs are used to seal off water supplies and pre-vent dirt entering the valves or connectors. Blank plugs are 2 1/2" instantaneous male type. Gunmetal and aluminium blank plugs are pressure resist-ant; plastic and rubber blank caps act as dust cover only.

**Part No. Description**

46/54322	Male alloy- 2 1/2" instantaneous
46/54330	Male gunmetal - 2 1/2" instantaneous
46/54324	Male rubber - 2 1/2" instantaneous
46/54325	Male plastic - 2 1/2" instantaneous

**DIVIDING BREECHING**

- Unvalved inlet end 2 1/2" male instantaneous and two outlet ends each 2 1/2" female instantaneous with single twist release

**Part No. Description**

46/57821	Aluminium alloy (unvalved) - 2 1/2" instantaneous
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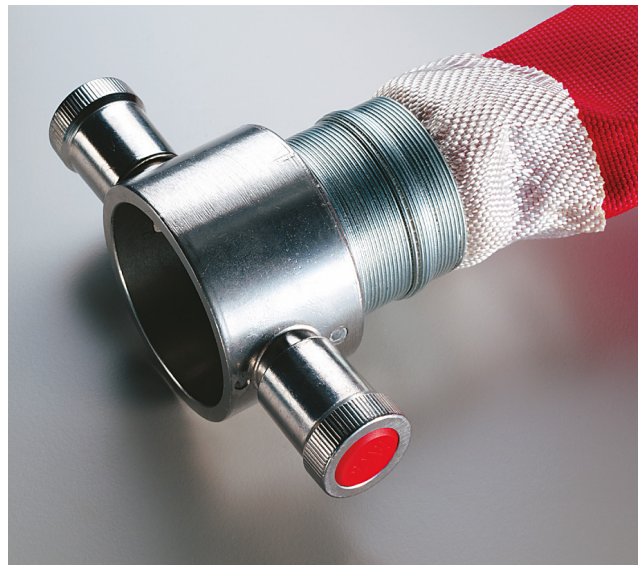
## □ Lay Flat Hose

### HOSE AND COUPLINGS

- General-purpose synthetic delivery hose cw light alloy couplings wired in
- Suitable for industrial and rural fire brigades as well as static building protection
- Lightweight and flexible
- Heat and cold resistant
- Anti-rot and anti-twist
- Type 2 version has a dirt-repellent, external elastomeric coating

Part No.	Description
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46/57377	18.3m x 64mm type 2 c/w light alloy couplings - red
46/54914	23.0m x 64mm type 2 c/w light alloy couplings - red
46/57379	18.3m x 64mm type 1 c/w light alloy couplings - white
46/57002	23.0m x 64mm type 1 c/w light alloy couplings - white



### INSTANTANEOUS COUPLINGS

#### TO BS336

- A range of instantaneous couplings supplied in light alloy and gunmetal
- The instantaneous system is designated by BS 336 and is standard with British Fire services for delivery applications

Part No.	Description
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46/32200	2 1/2" x 2 1/2" (64mm x 64mm) tail light alloy
46/32190	2 1/2" x 2 1/2" (64mm x 64mm) tail gunmetal
46/54470	Washer 2 1/2" instantaneous





## Section 5

## BRIGADE EQUIPMENT

**BRANCHPIPES AND NOZZLES**

- Branchpipes provide an adjustable nozzle for altering the curtain of water from narrow to a wide spray
- Branchpipes are controlled from shut off through jet, spray and wide-angle curtain by rotating sleeve

**Part No.    Description**

46/54146    2 1/2" Instantaneous integral gunmetal







## TRIDOL, ANGUS & FILMFOAM

### TRIDOL FOAM - C6

TridolC6 C 6 & C 3 is a cost-effective synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires

- Film-forming for fast flame knockdown and extinguishment
- Burnback resistance and post-fire security
- Foam blanket reseals when ruptured by personnel or equipment

TridolC6 C 6 & C 3 is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. Other applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals and offshore platforms.

TridolC6 C 6 & C 3 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/ water sprinklers, and base (sub-surface) injection systems.

TridolC6 C 6 & C 3 can be used with nonaspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. However, non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

TridolC6 C 6 is intended for use at 6% (6 parts concentrate to 94 parts water).

TridolC6 C 3 is intended for use at 3% (3 parts concentrate to 97 parts water).

Part No.	Description
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81/03664	Tridol C - 6% AFFF 25 LTR Drum
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81/03661	Tridol C - 3% AFFF 25 LTR Drum
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### TRIDOL C6 ATF

TridolC6 ATF C 3-6 is a competitive Alcohol Resistant Aqueous Film- Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires

- Cost-effective and highly versatile
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment
- Burnback resistance and post-fire security

TridolC6 ATF C 3-6 is readily proportioned using portable and fixed (in-line) foam venturi proportioners, handline nozzles/branchpipes with pick-up tubes, balanced pressure variable flow proportioners, balanced pressure bladder tank proportioners and around-the-pump proportioners.

TridolC6 ATF C 3-6 can be used with air aspirating discharge devices like low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, base (subsurface) injection systems. It can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. Non-aspirated application is not recommended as the primary method of attack for major fires requires a stable foam blanket.

TridolC6 ATF C 3-6 is formulated for use at 3% (3 parts concentrate to 97 parts water) on hydrocarbons and 6% (6 parts concentrate to 94 parts water) on polar solvents.

Part No.	Description
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81/03662	Tridol ATF C 3-6% AR-AFFF 25 LTR Drum
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## Section 5

## BRIGADE EQUIPMENT

### ANGUS FOAM

FP350C6 is a cost-effective FluoroProtein (FP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon liquid fires

- Highly fluid foam for rapid fire knockdown and extinguishment
- Cost-effective
- Detergent-free

FP350C6 is intended for use at 3% at low expansion. With medium expansion equipment it can be used at 3% too, but for optimal results a 6% induction rate is recommended.

It is readily proportioned using conventional foam proportioning equipment such as portable and fixed in-line foam venturi proportioners, handline nozzles/branchpipes with pickup tubes, balanced pressure variable flow proportioners, balanced pressure bladder tank proportioners, and around-the-pump proportioners.

FP350C6 should be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, and foam/water sprinklers. It also produces top quality medium expansion foam when applied through medium expansion branchpipes and bund pourers.

As with any foam FP350C6 is best applied gently on to the burning liquid surface. However, its exceptional resistance to fuel contamination enables it to withstand vigorous mixing with fuel. This makes it ideal for forceful application on to storage tank fires from ground based mobile monitors

Part No.	Description
81/03663	Angus FP350 3 % (FP)



### FILMFOAM

Filmfoam 916 – AFFF/A736 AFF - **NOT SUITABLE FOR EXTINGUISHERS**

- A low-expansion foam suitable for hydrocarbon fuel.
- Filmfoam A736 – AFFF an alcohol resistant foam, suitable for polar solvent and hydrocarbon fuels

Part No.	Description
46/57664	Filmfoam 916 AFFF 6% - 25ltr drum
46/57668	Filmfoam A736 AFFF alcohol resistant - 25ltr drum

