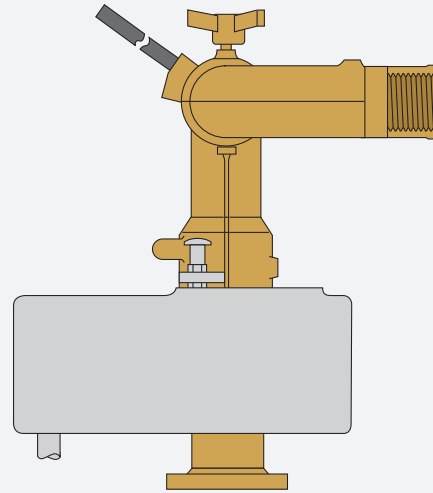


# Titan OMB40

**Bronze Fire Monitor Nominal flow 4,000 l/min**

- Simple and reliable design
- Low maintenance
- Most models available with lever or gearbox control
- Suitable for use where explosive atmospheres may be present



The Angus OMB40 bronze fire monitor is a simple and reliable design with a water pressure driven oscillation mechanism to move the monitor in the horizontal plane. Movement in the vertical plane is via hand lever and lock.

Computer designed guide vanes cast into the body reduce turbulence and spin in the water stream lowering pressure loss and improving jet reach.

All Angus bronze monitors are based on a proven low maintenance design developed over 20 years of world-wide service.

### Materials

#### Body

Bronze body to EN CC491K, equivalent to LG2, Red Brass, ASTM B62 and UNI 7013-8

Copper	Zinc	Lead	Tin
85%	5%	5%	5%

Material certification to EN 10204 3.1 is available on request.

#### Plinth

Heavy duty galvanised (0.035 microns) steel to ASTM106/SG40  
Option: Bronze as body above

#### Bearings

Stainless steel (SS316) ball race on both axes

#### Seals

Viton rated up to 120°

#### Steering arm

Stainless steel SS304

#### Locking handles and shafts

Duraplast hand wheels with stainless steel hubs (SS316) on stainless steel shafts (SS316)

#### Oscillating gearbox

Light alloy heavy duty anodised

#### Pelton wheel

Bronze, K=26

#### Pelton wheel housing

Stainless steel (SS316)

#### Pelton wheel water feed

Stainless steel pipe and connectors

#### Oscillating linkage

Stainless steel (SS316)

#### Inlet connection

Bronze plinth: ANSI 4" 150# RF (RF available as a special option)  
Steel plinth: ANSI 4" 150# RF (DIN and other flange options available to special order)

#### Outlet connection

2½" BSP F (NH optional)

#### Design pressure

Maximum working pressure 16 bar  
Hydraulic factory test pressure 24 bar

#### Performance

Pressure loss at 4,000 l/min 3.5 bar. (For pressure losses at other flow rates refer to the pressure loss graph.)

#### Oscillating rate

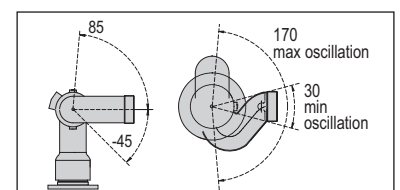
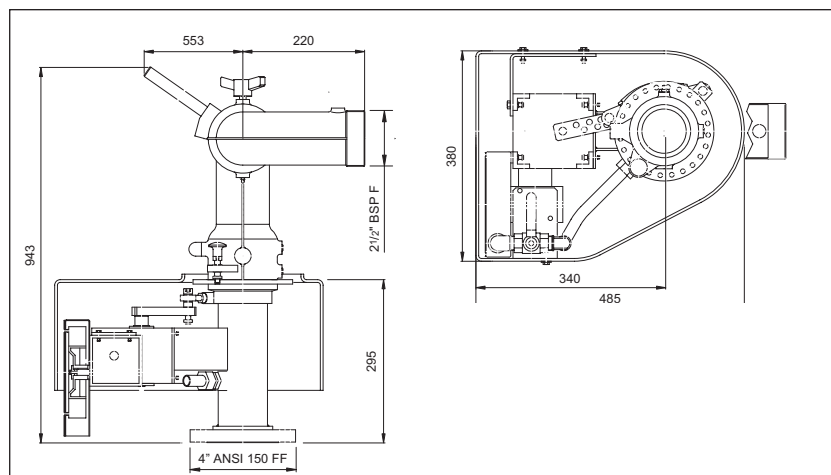
5°/sec at 7 bar inlet pressure

#### Weight

45 kg

#### Movement

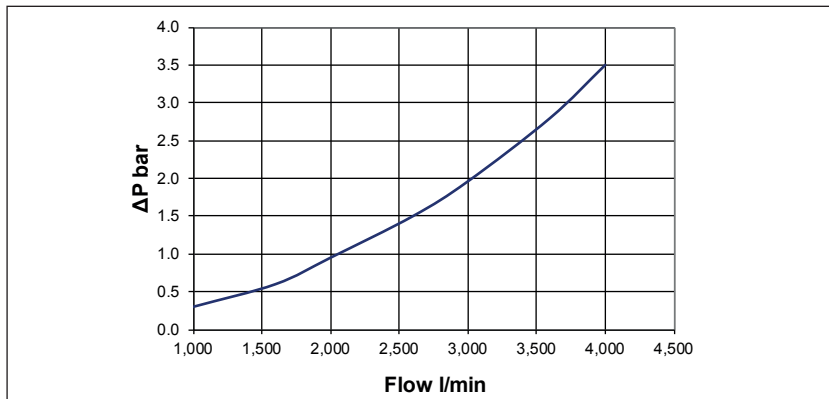
Horizontal: Automatic oscillation adjustable from 30° to 120° in increments of 15° (30° to 170° available to special order) Manual actuation 360°  
Vertical: Manual actuation +85° to -45° (may be limited by foam cannon selected)



# Titan OMB40

**Bronze Fire Monitor Nominal flow 4,000 l/min**

Optional Paint Finish	
Surface preparation	Solvent cleaning
Primer coat	Epoxy 30µm
Intermediate coat	Epoxy grey 40µm
Finish coat	Polyurethane 40µm Red RAL3000
Total dry film thickness	110µm



## Outlet nozzle and cannon options

Bronze bodies, manual controlled, fog/jet nozzles with shut off:

FJ20: 2000 l/min

Fog/jet nozzles bronze bodied, manually controlled:

FJ range: 1300 to 4000 l/min

Self inducing fog/jet nozzles, manually controlled, 1%, 3% and 6% induction selection:

FJS range: 1300 to 4000 l/min

Self aspirating foam cannons with stainless steel barrels and bronze hubs:

FC range: 800 to 4000 l/min

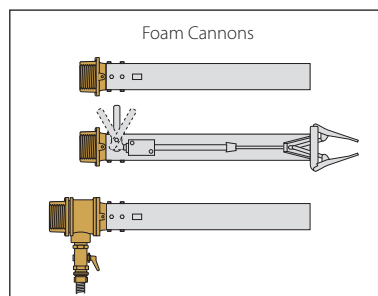
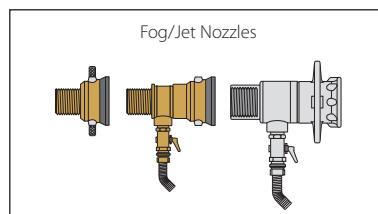
Self inducing (1%, 3% and 6% induction selection) and self aspirating foam cannons with stainless steel barrels and bronze hubs:

FCS range: 1000 to 4000 l/min

All foam cannons can be fitted with manual spreaders as an option.

Range of stainless steel water cannons:

WC range: 1500 to 3000 l/min



Range of fire fighting powder nozzles  
For full technical details of nozzles and cannons see separate data sheets

## Length and height of monitor water jet

FJ4000 nozzle at 11 bar monitor inlet pressure:

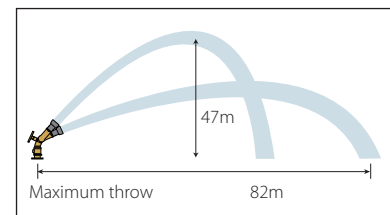
Flow 4130 l/min

Maximum jet throw at 32°, 82m

Maximum jet height at 75°, 47m

*Note: The jet throw depends on a number of variables such as wind direction, type and concentration of foam and the condition of the monitor water ways and nozzle.*

*For throw and height calculations at different inlet pressures and flows and for different nozzles and angles refer to the Angus interactive electronic data sheet.*



The Angus monitor range includes bronze models up to 8,500 l/min and stainless steel models up to 50,000 l/min.

Most models are available with lever or gearbox control, automatic oscillation or with hydraulic or electric remote control. All are suitable for use where explosive atmospheres may be present.

Angus is a company assessed to ISO 9001:2008

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Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.

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