



Note:

1. Fire hydrants valves shall comply to BS 750:1984 and in addition ;
  - (a) The valve stopper shall be EPDM or Nitrile rubber resilient seated type.
  - (b) Hydrant body and bonnet shall be constructed from Ductile iron complying with AS 1831 grade 400/12 or 500/7.
  - (c) All valve shall be rated to 16 bar working pressure.
  - (d) Flange connection shall be 80mm DN raised face & drilled with 4 holes to suit M16 on a 165 PCD generally in accordance with AS 4078, PN16.
  - (e) Valves shall be clockwise closing with a non rising spindle.
  - (f) Stem seals shall be Nitrile or comparable approved rubber 'o' ring.
  - (g) Valve body & bonnet components shall be completely encapsulated in a thermally bonded coating system complying with AS/NZS 4158 Part 1.
  - (h) The round threaded outlet shall be gunmetal and comply with BS 750.
  - (i) Hydrants shall be Tall or Squat type as specified.
  - (j) Hydrants shall be supplied with a outlet cap which is connected to the hydrant body.
  - (k) The hydrant flows performance shall comply with BS 750 as a minimum requirement.
  - (l) Drain plugs are not a requirement.
  - (m) Where required spindle caps shall be supplied secured with a set screw.
  - (n) Where the hydrant stopper is a encapsulated rubber resilient seated type and the hydrant is coated in accordance with AS/NZS 4158 part 1 the seat requirements of BS 750 are not required.



**FIRE HYDRANTS**

**Design and Material Standards  
MANUKAU WATER LIMITED**

DETAIL NO:

**MW-9**

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