

# UNDERGROUND HYDRANT VALVE

CAST IRON, AS PER IS:909



Underground Fire Hydrant valves (also called flush type Hydrants) are used where it is not possible to have the hydrant above ground, such as Air fields, etc. The hydrant outlet is just below the surface of the ground, and water is drawn through by connecting it to standpipes, to which hose can be connected. A hydrant key is used for operating the valve.

**Brief Description:** AAAG Underground Hydrant Valve, as per IS:909, made of Cast Iron, having 75 mm/100 mm flanged inlet and 63 mm flanged outlet (connected to 63 mm Round Thread Male outlet, suitable for use with Standpipes). The Valve stem shall be suitable for operation using the hydrant key. Body duly painted with 2 coats of P.O. Red Paint.

## 1.0 GENERAL DATA

1.1	Make	AAAG
1.2	Model	Underground Hydrant
1.3	Inlet	Flanged 75/ 100 NB IS: 1538 / ANSI B 16.5 150 #
1.4	Outlet	Flanged 63 mm connected to Female MRT Adaptor
1.5	Material of Construction	Cast Iron
1.6	Reference	IS:909

## 2.0 MATERIAL OF CONSTRUCTION

2.1	Body, Bonnets & flanges	Cast Iron, FG 200 IS:210-1978
2.2	Spindle	Brass, IS: 319-1974
2.3	Outlet adaptor	Gunmetal IS:318 LTB2
2.4	Blank cap	Aluminium 4450 IS:617
2.5	Washer	Rubber, IS:937

## 3.0 TESTING AND QUALITY CONTROL

3.1	Dimensional check	As per IS:909 (See Drawing Below)
3.2	Performance Requirements	Water tightness test: 14 kgf/cm <sup>2</sup> for 2.5 minutes Body Hydrostatic Pressure test: 21 kgf/cm <sup>2</sup> for 2.5 minutes
3.3	Documentation	Internal inspection report, supplier's certificates, approved laboratory test certificates

## 4.0 OPERATIONAL/ TECHNICAL DATA

4.1	Working pressure	Upto 12 Kgf/cm <sup>2</sup>
4.2	Weight (Approx.)	---

## 5.0 FINISH

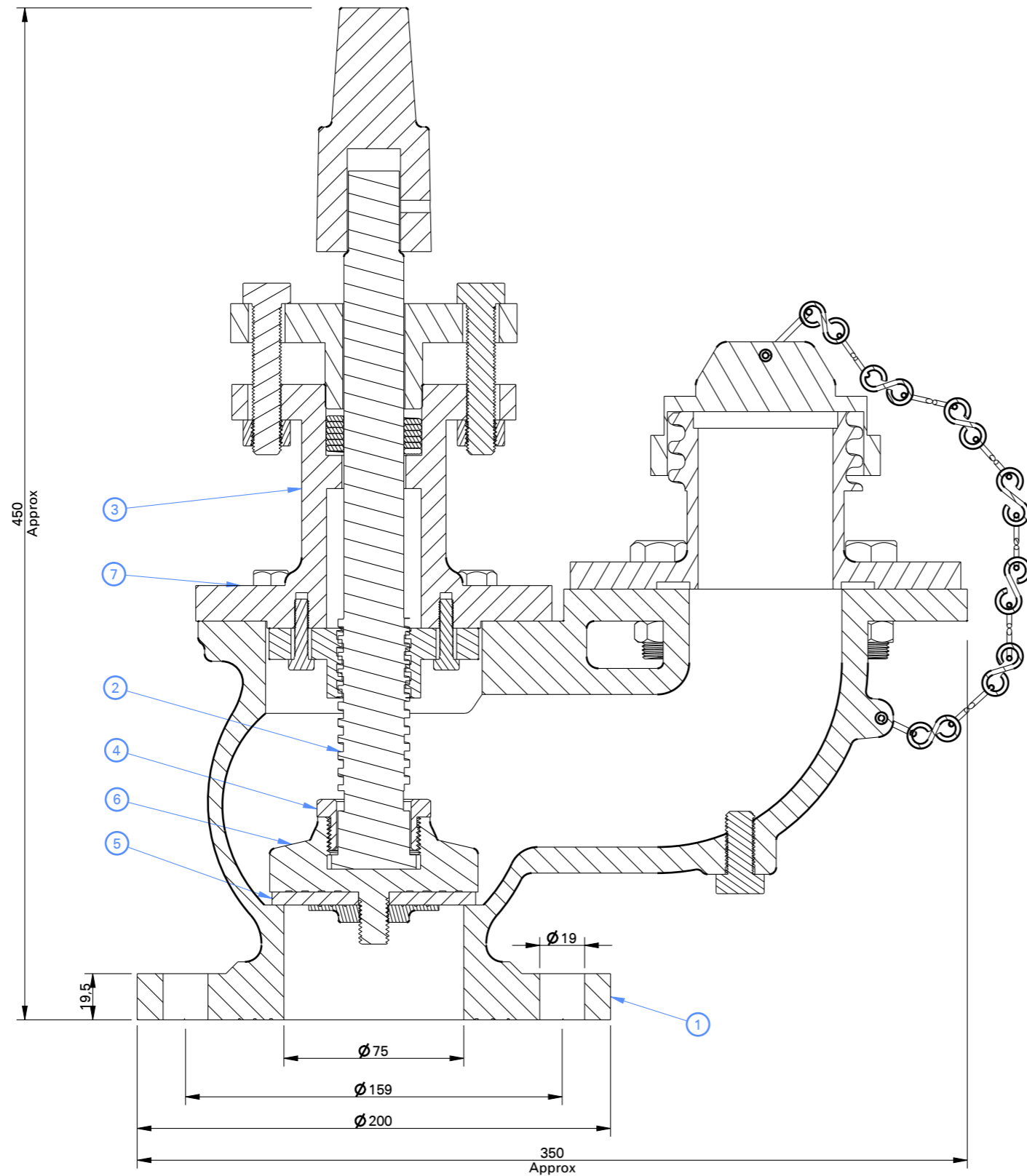
5.1	Hydrant	Painted – 2 coats of Fire Red Color as per IS: 5 Shade No. 536
5.2	Hydrant Outlet	Polished

## 6.0 APPROVALS & MARKING

6.1	Approvals	--
6.2	Marking on Nozzle	AAAG/ Year of Mfg / Sl. No

## 7.0 WARRANTY

7.1	Warranty & Guarantee	12 Months from the date of supply
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1	BODY	CAST IRON IS:210
2	SPINDLE	BRASS IS:319
3	BONNET	CAST IRON IS:210
4	CHECK NUT ( SPINDLE)	GM IS:318, LTB 2
5	SEAT WASHER	RUBBER
6	STOP VALVE	GM IS:318, LTB 2
7	OUTLET	GM IS:318, LTB 2
NO.	DESCRIPTION	MATERIAL
PART LIST		



**Shah Bhogilal Jethalal & Bros.**

AHMEDABAD

**TITLE :** UNDER GROUND FIRE, HYDRANT ,  
CAST IRON, AS PER IS:910

SCALE	DRAWING NO:	SHEET	REV.
N.T.S	C200-63AS	1 OF 1	0