



❖ FUNCTION

- Fire Hydrants are connection points by which firefighters can tap into a water supply.

❖ STRUCTURE

- Body: Gray-cast iron.
- Coating: Epoxy, thickness $\geq 125\mu\text{m}$.

❖ STANDARDS

- TCVN 5739-1993 for outlets.
- TCVN 6379-1998 for dimentions of body.
- ISO 7005-2 for flanges to connect to water supply network.

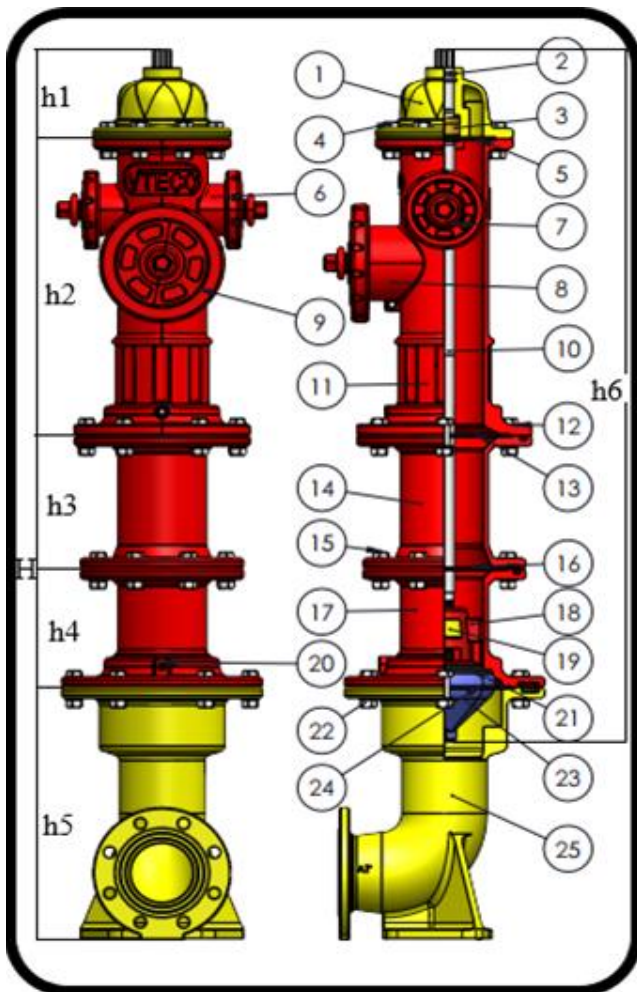
❖ DATA

Data	Unit	Measurement
Working pressure	Kg/cm ²	10
Testing pressure	Kg/cm ²	16
Valve stroke	Mm	30
Number of round open/close	Round	15
Body Inside diameter	mm	125
Inside diameter of big outlet	mm	110
Inside diameter of small outlet	mm	69
Overall height	mm	1500
Weight	Kg	113





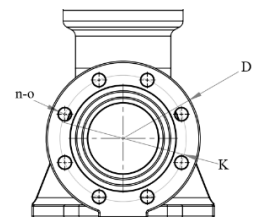
❖ MAIN PARTS



STT	Part	Material
1	Cover	Gray-cast iron
2	Gasket	EPDM
3	Stem washer	Gold brass
4	Bolts	Galvanized iron
5	O-rings	EPDM
6	Small outlet (ĐT.1-77)	Gray-cast iron
7	Small outlet cover	Gray-cast iron
8	Big outlet (DR.2-125)	Gray-cast iron
9	Big outlet cover	Gray-cast iron
10	Stem	Galvanized iron /Inox
11	Main body	Gray-cast iron
12	Bolts and nuts	Galvanized iron
13	O-rings	EPDM
14	Connect body 1	Gray-cast iron
15	Bolts	Galvanized iron
16	O-rings	EPDM
17	Connect body 2	Gray-cast iron
18	Connection	Gray-cast iron
19	Middle body thread	Brass
20	Drain hole	Gray-cast iron
21	Rings	EPDM
22	Bolts and nuts	Galvanized iron
23	Middle body	Gray-cast iron
24	O-rings	EPDM
25	Base	Gray-cast iron

DN	MODEL	D	K	n-Ød	H	h1	h2	h3	h4	h5	h6
100	VTECO-01	220	180	8-18	1500	150	500	225	200	425	1175
125	VTECO-01	250	210	8-18	1500	150	500	225	200	425	1175
150	VTECO-01	285	240	8-20	1500	150	500	225	200	425	1175

D = Flange OD, K=Hole diameter, n-Ød =Number of holes/diameter, H= Height, h1,h2,h3,h4,h5,h6 picture.



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