IS 15682 (2006, Reaffirmed 2012): Fire Fighting Vehicles and Equipment--Symbols For Operator Controls And Other Display. ICS 13.220.10

IS 15682 : 2006

भारतीय मानक

अग्नि शमन वाहन और उपस्कर — प्रचालक नियन्त्रण और अन्य प्रदर्शन के प्रतीक

Indian Standard

FIRE FIGHTING VEHICLES AND EQUIPMENT — SYMBOLS FOR OPERATOR CONTROLS AND OTHER DISPLAY

ICS 13.220.10

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

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Price Group 4

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Fire Fighting Sectional Committee had been approved by the Civil Engineering Division Council.

A graphical symbol is defined as a visually perceptible figure used to transmit information independently of a language. Attention should be paid when using graphical symbols the meaning of which is dependent on their orientation to avoid misunderstandings.

Indian Standard

FIRE FIGHTING VEHICLES AND EQUIPMENT — SYMBOLS FOR OPERATOR CONTROLS AND OTHER DISPLAY

1 SCOPE

This standard covers symbols to be used for operator controls and other displays specific to fire fighting vehicles and equipment.

2 SYMBOLS

2.1 The basic geometrical shape to distinguish each of the following categories have been given in **3**.

a) Frame, engine and chassis;
b) Electrical circuits;
c) Expellants;
d) Fire pumps;
e) Tanks and piping;
f) Pressure vessels;
g) Aerial appliances; and
h) Miscellaneous.

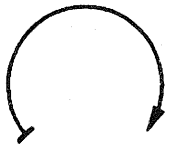
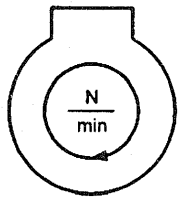
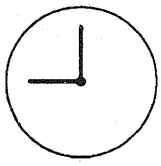
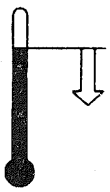
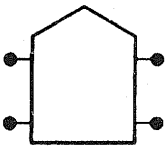
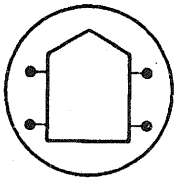
2.2 The symbols are intended for reproduction on drawings by hand or machine drafting including template or dry transfer methods.

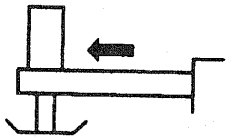
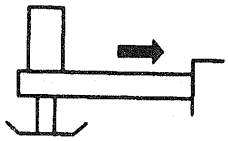
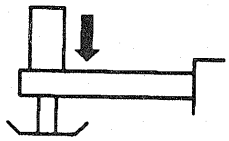
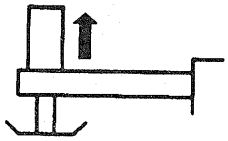
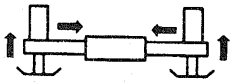
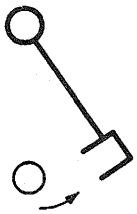
2.3 The meaning of all symbols used shall be defined in a legend in a clear directly understandable form.

2.4 The sizes of the symbols should all be to the same relative scale on any one drawing and relative to the scale of the drawing itself.

3 SYMBOLS FOR FIRE FIGHTING VEHICLES AND EQUIPMENT

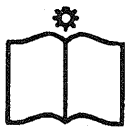
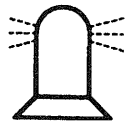
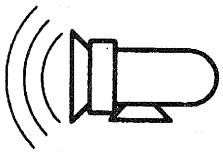
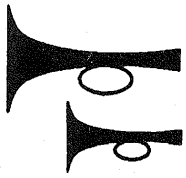
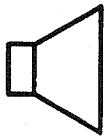
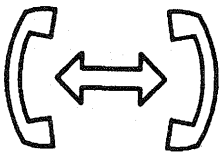
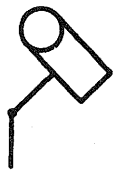
3.1 Frame, Engine and Chassis

Sl No.	Designation	Symbol
1	Engine start	
2	Engine stop	
3	Continuous adjustment increase/decrease (rotational)	
4	Continuous adjustment increase/decrease (linear)	
5	Rotational speed NOTE — *N* may be replaced with a numeral	
6	Clock, time solid (timer)	
7	Auxiliary cooler	
8	Jacking systems	
9	Vehicle stabilized on jacks	

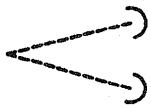
Sl No.	Designation	Symbol
10	Jacks out	
11	Jacks in	
12	Jacks lower	
13	Jacks raise	
14	House jacks	
15	Axle-locking mechanism-on	
16	Axle-locking mechanism-off	

3.2 Electrical Circuits

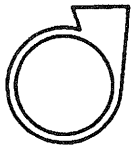
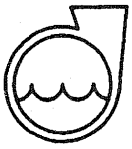
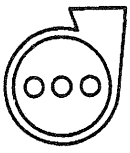
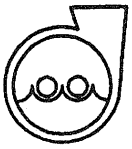
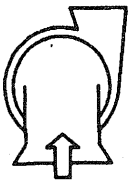
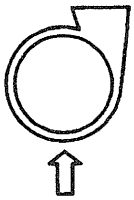
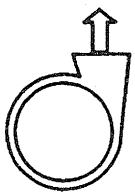
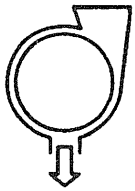
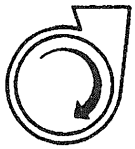
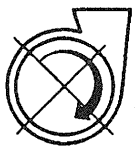
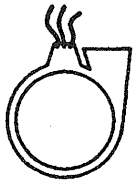
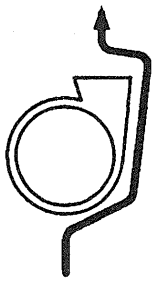
Sl No.	Designation	Symbol
1	Locker light	
2	Additional hazard warning light	

Sl No.	Designation	Symbol
3	Reading light	
4	Beacon	
5	Siren	
6	Sound signalling device for priority vehicles	
7	Antenna (aerial)	
8	Loudspeaker	
9	Intercom	
10	Adjustable working light	
11	Telescoping mast light	

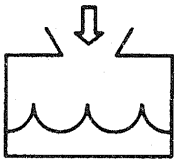
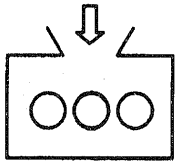
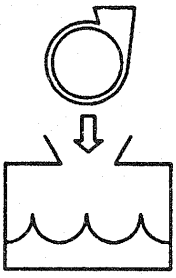
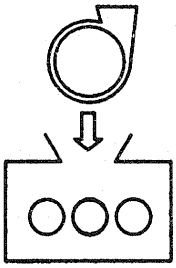
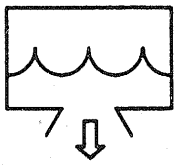
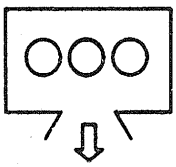
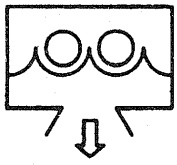
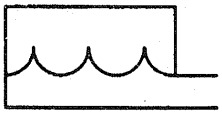
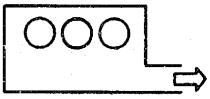
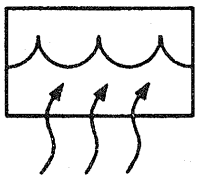
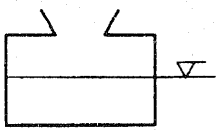
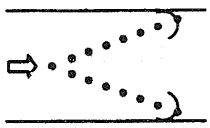
3.3 Expellants

Sl No.	Designation	Symbol
1	Water	
2	Foam concentrate	
3	Pre-mix of foam solution	
4	Powder	

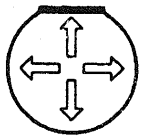
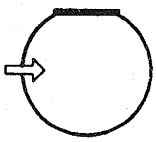
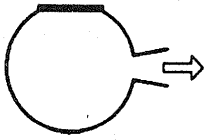
3.4 Fire Pump

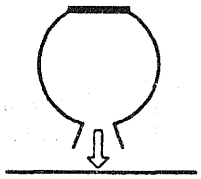
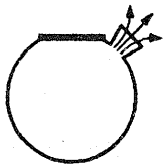
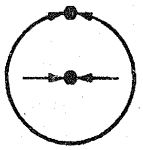
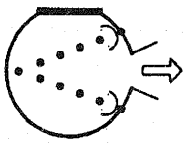
Sl No.	Designation	Symbol
1	Fire pumps (general)	
2	Water fire pump	
3	Foam concentrate fire pump	
4	Fire pump for pre-mix	
5	Priming fire pump	
6	Fire pump intake	
7	Fire pump delivery	
8	Drain fire pump	
9	Engage fire pump	
10	Disengage fire pump	
11	Fire pump, air purge valve	
12	Fire pump, by-pass	

3.5 Tank and Piping

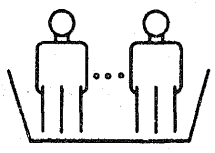
Sl No.	Designation	Symbol
1	Water tank fill	
2	Foam concentrate tank fill	
3	Water tank fill by fire pump	
4	Foam concentrate tank fill by fire pump	
5	Water tank drain	
6	Foam concentrate tank drain	
7	Pre-mix tank drain	
8	Water tank outlet	
9	Foam concentrate tank outlet	
10	Pre-mix tank outlet	
11	Tank heater	
12	Level indicator (fluid)	
13	Purging/piping (pressurized)	

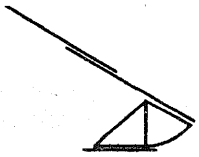
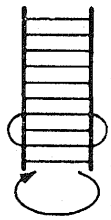
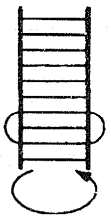
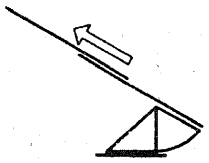
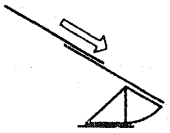
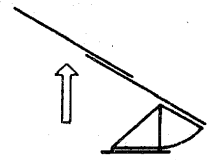
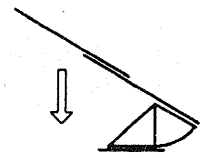
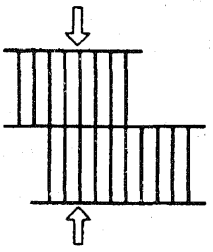
3.6 Pressure Vessels

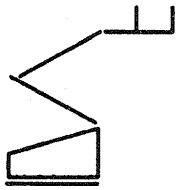
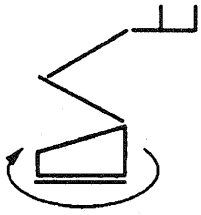
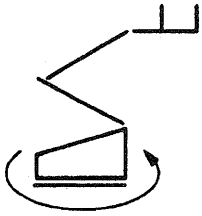
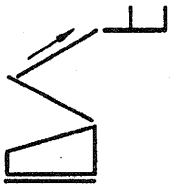
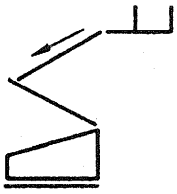
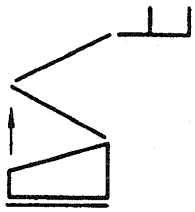
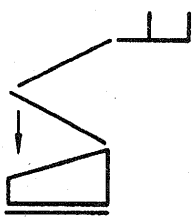
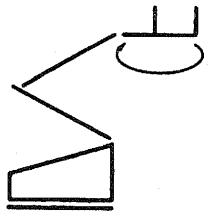
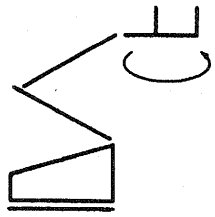
Sl No.	Designation	Symbol
1	Pressure vessel	
2	Pressurizing pressure vessel	
3	Outlet of pressure vessel	

Sl No.	Designation	Symbol
4	Drain of pressure vessel	
5	Decompression of pressure vessel	
6	Pressure regulation	
7	Fluidizing of pressure vessel	
8	Purging pressure vessel	
9	Gas cylinder under pressure	

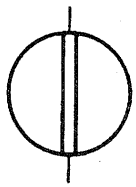
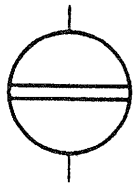
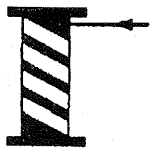
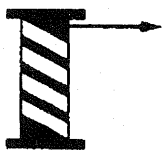
3.7 Aerial Appliances

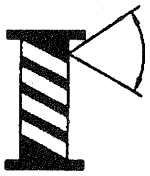
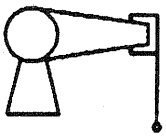
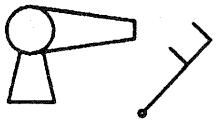
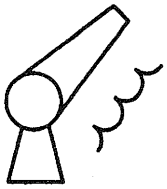
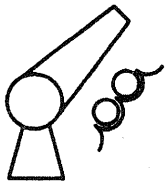
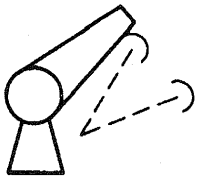
Sl No.	Designation	Symbol
1	Cage carrying capacity	

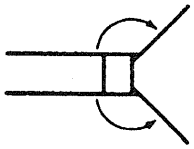
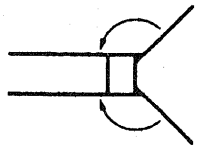
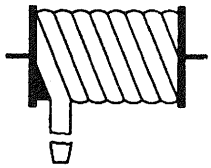
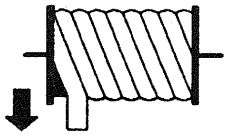
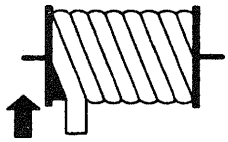
Sl No.	Designation	Symbol
2	Turntable ladder (basic symbol)	
3	Rotate clockwise	
4	Rotate anti-clockwise	
5	Extend ladder	
6	House ladder	
7	Elevate ladder	
8	Depress ladder	
9	Align ladder	

Sl No.	Designation	Symbol
10	Hydraulic platform (basic symbol)	
11	Rotate clockwise	
12	Rotate anti-clockwise	
13	Extend boom (boom indicated)	
14	House boom (boom indicated)	
15	Elevate boom (boom indicated)	
16	Depress boom (boom indicated)	
17	Cage rotation clockwise	
18	Cage rotation anti-clockwise	

3.8 Miscellaneous

Sl No.	Designation	Symbol
1	Circuit (other than electrical) open	
2	Circuit (other than electrical) closed	
3	Winch	
4	Winch-reel in	
5	Winch-reel out	

Sl No.	Designation	Symbol
6	Winch angle maximum	
7	Monitor lock	
8	Monitor unlock	
9	Water monitor	
10	Foam monitor	
11	Powder monitor	

Sl No.	Designation	Symbol
12	Deflector (closed)	
13	Deflector (open)	
14	Hose-reel	
15	Hose-reel wind out	
16	Hose-reel wind in	
17	Flushing