

**Hamco48h1 High Temperature Kinematic Viscosity Bath (Ambient To 120 Deg. C) With Accuracy +/- 0.01 Deg. C Apparatus As Per ASTM D 445**



**Test Method: -**

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

**Standard: -**

Conforms to the specifications of: ASTM D445, D2532, D6074, D6158, IP 71, ISO 3104, DIN 51550, FTM 791-305.

**Features & Benefits: -**

- 1) Type of bath: - electrically heated bath.
- 2) No of viscometer can be accommodated: 6 No.
- 3) Inner chamber dimension: 18" x 15" x 7"
- 4) Outer body size: 26" x 23" x 13"
- 5) Max working temperature :- 120.0 degree c
- 6) Bath capacity: - 6 sample at a time.
- 7) Bath volume : 22 Ltr capacity
- 8) Heater: - SS tubular heater.
- 9) Accuracy: - +/- 0.01 to +/- 0.03 degree c
- 10) Readability: - +/- 0.01 Deg. c up to 99.99 Deg. and 0.1 Deg. Up to 150.0 Deg. C

**11) Temperature Controller :-**

- a. Temp. Is controlled by microprocessor based PID temp. Controller of Eurotherm or reputed make,
  - b. It is having dual display with solid state relay for switching on & switching off the heater.
- 12) Input power supply: 230 v ac, 50 Hz, 1 phase with 12 amp current rating.
  - 13) Heating load: 2 kW

**14) Thermocouple: -**

- a. Calibrated RTD type thermocouple will be provided capable of measuring up to 150 Deg. c at accuracy of +/- 0.01 Deg. C

**15) Control Panel/Display: -**

- a. Digital display for present, set temperatures.
- b. Heater indicator.
- c. Stirrer indicator.
- d. Main switch on/off indicator.
- e. Fuse for overload protection.
- f. Switching on or off for illumination switch.

**16) Safety Interlocks/ Relay: -**

- a. Overload safety cut-off
- b. Safety for input power fluctuation
- c. 1-phase indication lamp.
- d. Emergency switch off

**17) Construction :-**

- a. Double walled construction, thermally insulated with high density puff.
- b. Powder coated external surface for esthetic appearance.

**Accessories Will Be Supplied With Equipment: -**

- 1) Universal viscometer holder -- 2 no (cat no hamco48s1)
- 2) suction bulb -- 1 no (cat no hamco48s2)
- 3) Glass fuse -- 1 no (cat no hamco48s3)
- 4) Glass viscometer with constant at 40,50 & 100 degree c of any size and any type with calibration certificate traceable to cannon oil USA (cat no hamco48s4) {on demand of customer only price extra}

**Spares Required For 5 Year Trouble Free Operation: -**

- 1) Temperature controller -- 1 nos.(cat no hamco48hac1)
- 2) SSR with heat sink -- 1 no.(cat no hamco48ac2)
- 3) Glass fuse -- 3 no.(cat no hamco48s3)
- 4) Switchgear(main switch & bulb ) – 3 no each (cat no hamco48ac3)

- 5) SS tubular heater – 2 no. (cat no hamco48ac4)
- 6) Stirrer motor – 1 no.(cat no hamco48ac5)
- 7) Illumination tube – 1 no. ( cat no hamco48ac6)
- 8) Thermometer ASTM 120c with Cal cert. -1 no(cat no hamco48ac7)
- 9) Thermometer ASTM 121c with Cal cert. -1 no(cat no Hamco48ac8)

#### **Electrical Requirement –**

- 220-240V, 50/60Hz, Single Phase, 12.0A
- OR 115V, 50/60Hz, Single Phase, 24.A

#### **Dimension: - l x w x h, in. (cm)**

26"x23"x13" (66x58x33)  
Net Weight: 56 lbs (22 kg)

#### **Shipping Information: -**

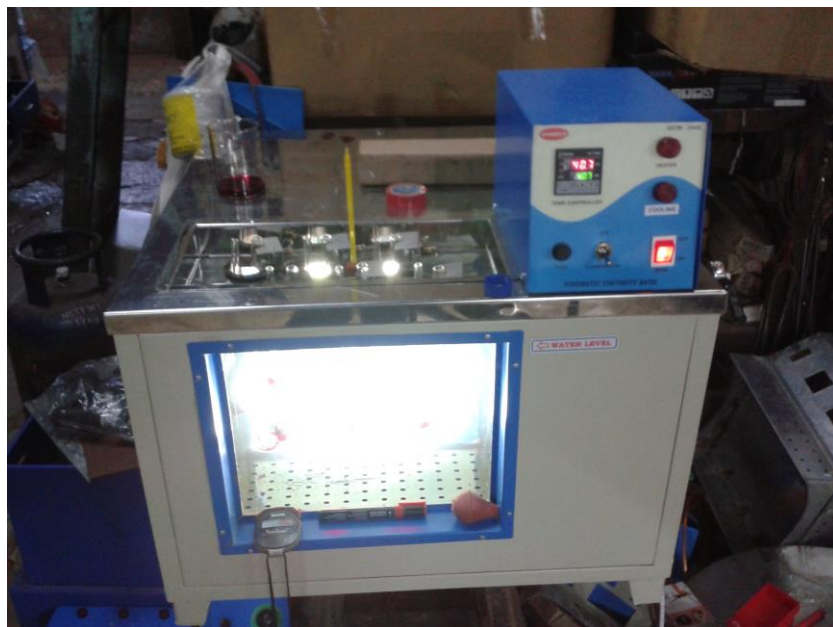
Shipping Weight: 84 lbs (38 kg)  
Dimensions: 10.8 Cu. ft.

**Ordering Information: -**

Catalogue No	Product Description	Electrical Requirement
Hamco 48h1	High Temperature Kinematic Viscosity Bath(0 To 120 Deg. C)	220-240v, 50/60hz
Hamco 48h1exp	High Temperature Kinematic Viscosity Bath(0 To 120 Deg. C)	115v, 50/60hz
Hamco 48s1	Universal Viscometer Holder	
Hamco 48s2	Suction Bulb	
Hamco 48s3	Glass Fuse	
Hamco 48s4	Capillary Viscometer	
Hamco 48hac1	Temperature Controller	
Hamco 48ac2	SSR With Heat Sink	
Hamco 48ac3	Switchgear	
Hamco 48ac4	SS Tubular Heater	
Hamco 48ac5	Stirrer Motor	
Hamco 48ac6	Illumination Tube	
Hamco 48ac7	ASTM 120c ( For 40 Deg. C)	
Hamco 48ac8	ASTM 121c ( For 100 Deg. C)	
Hamco 48ac11	Digital Stopwatch	

(HAMCO 48HAC1 TO HAMCO 48AC11 IS THE OPTIONAL ACCESSORIES)

**Hamco48h2 High Temperature Kinematic Viscosity Bath (Ambient To 120 Deg. C) With Accuracy +/- 0.1 Deg. C Apparatus As Per ASTM D 445**



**Test Method: -**

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

**Standard: -**

Conforms to the specifications of: ASTM D445, D2532, D6074, D6158, IP 71, ISO 3104, DIN 51550, FTM 791-305.

**Features & Benefits: -**

- 18) Type of bath: - electrically heated bath.
- 19) No of viscometer can be accommodated: 6 no.
- 20) Inner chamber dimension : 18" x 15" x 7"
- 21) Outer body size : 26" x 23" x 13"
- 22) Max working temperature :- 120.0 degree c
- 23) Bath capacity: - 6 sample at a time.
- 24) Bath volume : 22 Ltr capacity
- 25) Heater: - SS tubular heater.
- 26) Accuracy :- +/- 0.1 to +/- 0.3 degree c
- 27) Readability :- +/- 0.1 deg. c up to 120.0 deg. c
- 28) Temperature controller :-

📍 114, Favourite Indl Estate, Halav Pull, Masrani Lane, Kurla West, Mumbai- 400070, India.  
☎ 022-25031258, 📞 09867054026, 09892063369, Fax: 022-25031258, Email: [hamco17@gmail.com](mailto:hamco17@gmail.com),

- a. Temp. Is controlled by microprocessor based PID temp. Controller of reputed make,
- b. It is having dual display with solid state relay for switching on & switching off the heater.

29) **Input Power Supply:** 230 v ac, 50 Hz, 1 phase with 12 amp current rating.

30) **Heating load:** 2 kW

### 31) Thermocouple :-

- a. Calibrated RTD type thermocouple will be provided capable of measuring up to 150 deg. c at accuracy of +/- 0.1 deg. c

### 32) Control Panel/Display :-

- a. Digital display for present, set temperatures .
- b. Heater indicator.
- c. Stirrer indicator.
- d. Main switch on/off indicator.
- e. Fuse for overload protection.
- f. Switching on or off for illumination switch.

### 33) Safety Interlocks/ Relay :-

- a. Overload safety cut-off
- b. Safety for input power fluctuation
- c. 1-phase indication lamp.
- d. Emergency switch off

### 34) Construction :-

- a. Double walled construction, thermally insulated with high density puff.
- b. Powder coated external surface for esthetic appearance.

### Accessories Will Be Supplied With Equipment: -

- 5) Universal viscometer holder -- 2 no (cat no hamco48s1)
- 6) suction bulb -- 1 no (cat no hamco48s2)
- 7) Glass fuse -- 1 no (cat no hamco48s3)
- 8) Glass viscometer with constant at 40,50 & 100 degree c of any size and any type with calibration certificate traceable to cannon oil USA (cat no hamco48s4) {on demand of customer only price extra}

**Spares Required For 5 Year Trouble Free Operation:-**

- 10) Temperature controller -- 1 nos.(cat no hamco48hac2)
- 11) SSR with heat sink -- 1 no.(cat no hamco48ac2)
- 12) Glass fuse -- 3 no.(cat no hamco48s3)
- 13) Switchgear(main switch & bulb ) – 3 no each (cat no hamco48ac3)
- 14) SS tubular heater – 2 no. (cat no hamco48ac4)
- 15) Stirrer motor – 1 no.(cat no hamco48ac5)
- 16) Illumination tube – 1 no. ( cat no hamco48ac6)
- 17) Thermometer ASTM 120c with Cal cert. -1 no(cat no hamco48ac7)
- 18) Thermometer ASTM 121c with Cal cert. -1 no(cat no Hamco48ac8)

**Electrical Requirement –**

- 220-240V, 50/60Hz, Single Phase, 12.0A
- OR 115V, 50/60Hz, Single Phase, 24.A

**Dimension: - lxxh,in.(cm)**

26"x23"x13" (66x58x33)  
Net Weight: 56 lbs (22 kg)

**Shipping Information: -**

Shipping Weight: 84 LBS (38 kg)  
Dimensions: 10.8 Cu. ft.

**Ordering Information: -**

Catalogue No	Product Description	Electrical Requirement
Hamco 48h2	High Temperature Kinematic Viscosity Bath(0 To 120 Deg. C)	220-240v, 50/60hz
Hamco 48h2exp	High Temperature Kinematic Viscosity Bath(0 To 120 Deg. C)	115v, 50/60hz
Hamco 48s1	Universal Viscometer Holder	
Hamco 48s2	Suction Bulb	
Hamco 48s3	Glass Fuse	
Hamco 48s4	Capillary Viscometer	
Hamco 48hac2	Temperature Controller	
Hamco 48ac2	SSR With Heat Sink	
Hamco 48ac3	Switchgear	
Hamco 48ac4	SS Tubular Heater	
Hamco 48ac5	Stirrer Motor	
Hamco 48ac6	Illumination Tube	
Hamco 48ac7	ASTM 120c ( For 40 Deg. C)	
Hamco 48ac8	ASTM 121c ( For 100 Deg. C)	
Hamco 48ac11	Digital Stopwatch	

(HAMCO 48HAC2 TO HAMCO 48AC11 IS THE OPTIONAL ACCESSORIES)



**Hamco48h3 High Temperature Round Kinematic Viscosity Bath  
(Ambient To 150 Deg. C) With Accuracy +/- 0.01 Deg. C Apparatus  
As Per ASTM D 445**



**Test Method: -**

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

**Standard: -**

Conforms to the specifications of: ASTM D445, D2532, D6074, D6158, IP 71, ISO 3104, DIN 51550; FTM 791-305.

**Features & Benefits: -**

- 35) Type of bath: - electrically heated round bath.
- 36) No of viscometer can be accommodated: 5 no.
- 37) Inner chamber dimension: 12" dia x 12" height
- 38) Outer body size: 15" x 15" x 24"
- 39) Max working temperature :- 150.0 degree c
- 40) Bath capacity: - 5 sample at a time.
- 41) Bath volume : 20 Ltr capacity
- 42) Heater: - SS tubular heater.
- 43) Accuracy :- +/- 0.01 to +/- 0.03 degree c
- 44) Readability :- +/- 0.01 deg. c up to 99.99 deg. and 0.1 deg. c Up to 150.0 deg. c
- 45) Temperature controller :-

- a. Temp. Is controlled by microprocessor based PID temp. Controller of Eurotherm or reputed make,
  - b. It is having dual display with solid state relay for switching on & switching off the heater.
- 46) Input power supply: 230 v ac, 50 Hz, 1 phase with 12 amp current rating.  
47) Heating load: 2 kW

**48) Thermocouple: -**

- a. Calibrated RTD type thermocouple will be provided capable of measuring up to 150 deg. c at accuracy of +/- 0.01 deg. C

**49) Control Panel/Display: -**

- a. Digital display for present, set temperatures.
- b. Heater indicator.
- c. Stirrer indicator.
- d. Main switch on/off indicator.
- e. Fuse for overload protection.
- f. Switching on or off for illumination switch.

**50) Safety Interlocks/ Relay: -**

- a. Overload safety cut-off
- b. Safety for input power fluctuation
- c. 1-phase indication lamp.
- d. Emergency switch off

**51) Construction: -**

- a. Double walled construction, thermally insulated with high density puff.
- b. Powder coated external surface for esthetic appearance.

**Accessories Will Be Supplied With Equipment: -**

- 9) Universal viscometer holder -- 2 no (cat no hamco48s1)
- 10) suction bulb -- 1 no (cat no hamco48s2)
- 11) Glass fuse -- 1 no (cat no hamco48s3)
- 12) Glass viscometer with constant at 40,50 & 100 degree c of any size and any type with calibration certificate traceable to cannon oil USA (cat no hamco48s4) {on demand of customer only price extra}

**Spares Required For 5 Year Trouble Free Operation: -**

- 19) Temperature controller -- 1 nos.(cat no hamco48hac1)
- 20) SSR with heat sink -- 1 no.(cat no hamco48ac2)
- 21) Glass fuse -- 3 no.(cat no hamco48s3)
- 22) Switchgear(main switch & bulb ) – 3 no each (cat no hamco48ac3)
- 23) SS tubular heater – 2 no. (cat no hamco48ac4)
- 24) Stirrer motor – 1 no.(cat no hamco48ac5)
- 25) Illumination tube – 1 no. ( cat no hamco48ac6)
- 26) Thermometer ASTM 120c with Cal cert. -1 no(cat no hamco48ac7)
- 27) Thermometer ASTM 121c with Cal cert. -1 no(cat no Hamco48ac8)

**Electrical Requirement –**

- 220-240V, 50/60Hz, Single Phase, 12.0A
- OR 115V, 50/60Hz, Single Phase, 24.A

**Dimension: - l x w x h, in.(cm)**

15"x15"x24" (38x38x61)  
Net Weight: 53 lbs (24 kg)

**Shipping Information: -**

Shipping Weight: 84 LBS (38 kg)  
Dimensions: 10.8 Cu. ft.

**Ordering Information: -**

Catalogue No	Product Description	Electrical Requirement
Hamco 48h3	High Temperature Round Kinematic Viscosity Bath(0 To 150 Deg. C)	220-240v, 50/60hz
Hamco 48h2exp	High Temperature Round Kinematic Viscosity Bath(0 To 150 Deg. C)	115v, 50/60hz
Hamco 48s1	Universal Viscometer Holder	
Hamco 48s2	Suction Bulb	
Hamco 48s3	Glass Fuse	
Hamco 48s4	Capillary Viscometer	
Hamco 48hac1	Temperature Controller	
Hamco 48ac2	SSR With Heat Sink	
Hamco 48ac3	Switchgear	
Hamco 48ac4	SS Tubular Heater	
Hamco 48ac5	Stirrer Motor	
Hamco 48ac6	Illumination Tube	
Hamco 48ac7	ASTM 120c ( For 40 Deg. C)	
Hamco 48ac8	ASTM 121c ( For 100 Deg. C)	
Hamco 48ac11	Digital Stopwatch	

(HAMCO 48HAC1 TO HAMCO 48AC11 IS THE OPTIONAL ACCESSORIES)

## Hamco48h4 High Temperature Round Kinematic Viscosity Bath (Ambient To 150 Deg. C) With Accuracy +/- 0.1 Deg. C Apparatus As Per ASTM D 445



### Test Method: -

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

### Standard: -

Conforms to the specifications of: ASTM D445, D2532, D6074, D6158, IP 71, ISO 3104, DIN 51550, FTM 791-305.

### Features & Benefits: -

- 52) Type of bath: - electrically heated round bath.
- 53) No of viscometer can be accommodated: 5 no.
- 54) Inner chamber dimension : 12" dia x 12" height
- 55) Outer body size : 15" x 15" x 24"
- 56) Max working temperature :- 150.0 degree c
- 57) Bath capacity: - 5 sample at a time.
- 58) Bath volume : 20 Ltr capacity
- 59) Heater: - SS tubular heater.
- 60) Accuracy :- +/- 0.1 to +/- 0.3 degree c
- 61) Readability :- +/- 0.1 deg. c up to 120.0 deg. C

**62) Temperature Controller :-**

- a. Temp. Is controlled by microprocessor based PID temp. Controller of reputed make,
- b. It is having dual display with solid state relay for switching on & switching off the heater.

63) **Input power supply:** 230 v ac, 50Hz, 1 phase with 12 amp current rating.

64) **Heating load:** 2 kW

**65) Thermocouple :-**

- a. Calibrated RTD type thermocouple will be provided capable of measuring up to 150 deg. c at accuracy of +/- 0.1 deg. C

**66) Control Panel/Display: -**

- a. Digital display for present, set temperatures.
- b. Heater indicator.
- c. Stirrer indicator.
- d. Main switch on/off indicator.
- e. Fuse for overload protection.
- f. Switching on or off for illumination switch.

**67) Safety Interlocks/ Relay: -**

- a. Overload safety cut-off
- b. Safety for input power fluctuation
- c. 1-phase indication lamp.
- d. Emergency switch off

**68) Construction: -**

- a. Double walled construction, thermally insulated with high density puff.
- b. Powder coated external surface for esthetic appearance.

**Accessories Will Be Supplied With Equipment: -**

- 13) Universal viscometer holder -- 2 no (cat no hamco48s1)
- 14) suction bulb -- 1 no (cat no hamco48s2)
- 15) Glass fuse -- 1 no (cat no hamco48s3)
- 16) Glass viscometer with constant at 40,50 & 100 degree c of any size and any type with calibration certificate traceable to cannon oil USA (cat no hamco48s4) {on demand of customer only price extra}

**Spares Required For 5 Year Trouble Free Operation: -**

- 28) Temperature controller -- 1 nos.(cat no hamco48hac2)
- 29) SSR with heat sink -- 1 no.(cat no hamco48ac2)
- 30) Glass fuse -- 3 no.(cat no hamco48s3)
- 31) Switchgear(main switch & bulb ) – 3 no each (cat no hamco48ac3)
- 32) SS tubular heater – 2 no. (cat no hamco48ac4)
- 33) Stirrer motor – 1 no.(cat no hamco48ac5)
- 34) Illumination tube – 1 no. ( cat no hamco48ac6)
- 35) Thermometer ASTM 120c with Cal cert. -1 no(cat no hamco48ac7)
- 36) Thermometer ASTM 121c with Cal cert. -1 no(cat no Hamco48ac8)

**Electrical Requirement –**

- 220-240V, 50/60Hz, Single Phase, 12.0A
- OR 115V, 50/60Hz, Single Phase, 24.A

**Dimension: - l x w x h, in. (cm)**

15"x15"x24" (38x38x61)  
Net Weight: 53 lbs (24 kg)

**Shipping Information: -**

Shipping Weight: 84 LBS (38 kg)  
Dimensions: 10.8 Cu. ft.

**Ordering Information: -**

Catalogue No	Product Description	Electrical Requirement
Hamco 48h4	High Temperature Round Kinematic Viscosity Bath(0 To 150 Deg. C)	220-240v, 50/60hz
Hamco 48h4exp	High Temperature Round Kinematic Viscosity Bath(0 To 150 Deg. C)	115v, 50/60hz
Hamco 48s1	Universal Viscometer Holder	
Hamco 48s2	Suction Bulb	
Hamco 48s3	Glass Fuse	
Hamco 48s4	Capillary Viscometer	
Hamco 48hac2	Temperature Controller	
Hamco 48ac2	SSR With Heat Sink	
Hamco 48ac3	Switchgear	
Hamco 48ac4	SS Tubular Heater	
Hamco 48ac5	Stirrer Motor	
Hamco 48ac6	Illumination Tube	
Hamco 48ac7	ASTM 120c ( For 40 Deg. C)	
Hamco 48ac8	ASTM 121c ( For 100 Deg. C)	
Hamco 48ac11	Digital Stopwatch	

(HAMCO 48HAC2 TO HAMCO 48AC11 IS THE OPTIONAL ACCESSORIES)