-30°F to 400°F THERMOSTAT
MODEL 12

APPLICATIONS:

Used to control a set temperature in indirect heaters, emulsion treaters, reboilers, steam generators, heat exchangers, cooler shutter controls, and salt bath heaters.

FEATURES:

Modulated (throttling) signal output. Can be direct or indirect signal output based on how it is installed. is Field Reversible:

Indirect: Pilot Output Pressure (Blue) decreases with temperature rise.

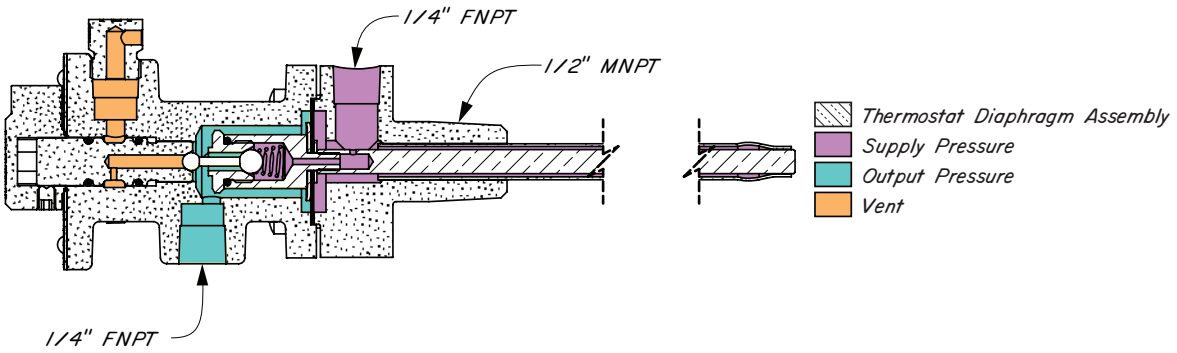
Direct: Pilot Output Pressure (Blue) increases with temperature rise.

CERTIFICATIONS:

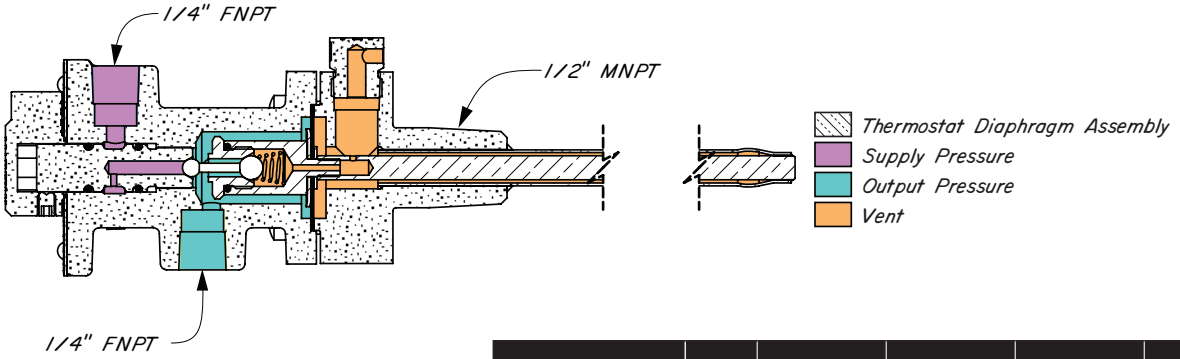
Canadian Registration Number (CRN):
0H08105.2

Kimray is an ISO 9001- certified manufacturer.

INDIRECT ACTION



DIRECT ACTION



Standard † Configuration Code	Order Code	Supply Pressure	Response Range	Temperature Range	Max. W.P. †† (sensing element)
T12S	HAA	5 - 30 psig .35 - 2.11 kg/cm²	1.75 psig/°F .22 kg/cm²/C°	-30°F to 400°F -34°C to 204°C	500 psig 35.15 kg/cm²

NOTES:

For standard & optional seals, metals,material specifications & dimensions see technical data on pages 07:I - 07:II

† For code builder see page 07:00.2

†† Working Pressure (sensing element) with Separable Socket:
4000 psig max. / 281.23 kg/cm² max.

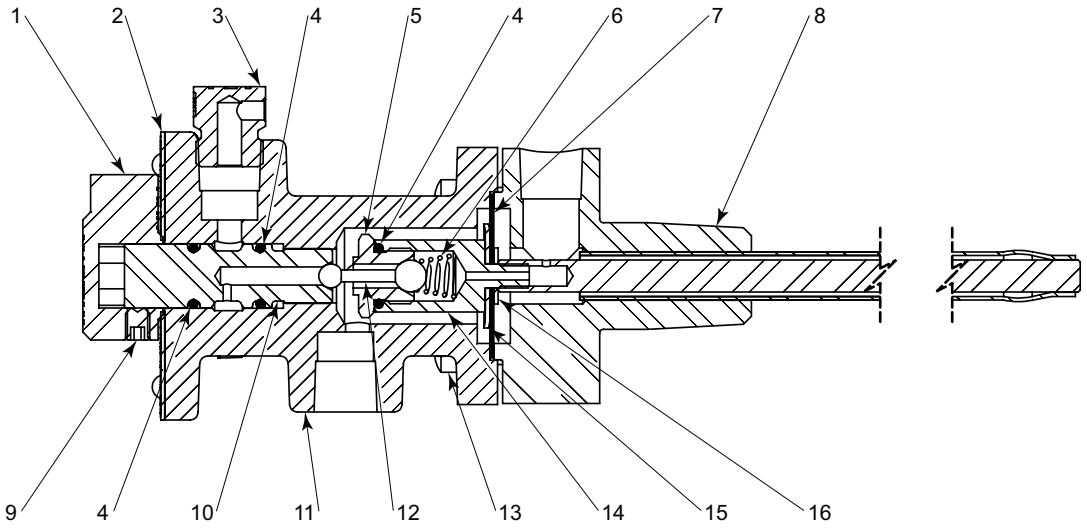
Separable Socket is an extra price item and must be ordered separately, if desired.

To order Separable Sockets refer to Table of Contents

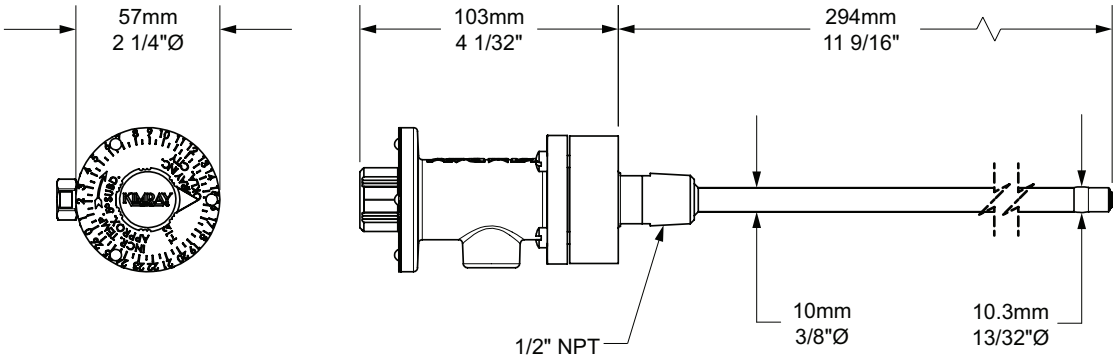
All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

KIMRAY INC.

-30°F to 400°F THERMOSTAT
MODEL 12



DIMENSIONS



ITEM	QTY.	DESCRIPTION	PART NO.
1	1	Pointer Knob	600SS6
2	1	Dial	1743
3	1	Vent Plug	147
4	3	O-Ring *	265HSN
5	1	Seat *	565
6	1	Spring *	108
7	1	Diaphragm *	601HSN
8	1	Base	1627
9	1	Set Screw	264
10	1	Seat	1621
11	1	Bonnet	2728
12	1	Pilot Plug *	112
13	4	Screw	693
14	1	Housing	595
15	1	Upper Diaphragm Plate *	597
16	1	Lower Diaphragm Plate *	763
Repair Kit			RXX
		* These parts are recommended spare parts and are stocked as repair kits.	

All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

CODE BUILDER
T SERIES

Series:

T = Temperature Controllers

Model:

- 12 = -30°F to 400°F Thermostat
- HT = -30°F to 750°F Thermostat
- PG = Pilot Guard
- SD = Shut Down with Manual Reset

Service Type:

S = Standard

T	12	S	

Options: Additional cost and lead times will apply

If multiple options required input in sequential order

Leave blank if no options required

V = FKM Elastomers

Not all selections available on all products listed.
See product pages 07:10.1 - 07:40.2 for available options