



MODEL 2544 DUAL-FUNCTION CONTROL HEAD 1/8" NPT

It consists of two 3-way directional control valves and an accurate self-relieving pressure regulating valve. All valves are handle-cam actuated. With the handle in centre position, both 3-way valve outputs are vented to atmosphere and the regulating valve output pressure is at its lowest. Movement of the handle through the first 20° in either direction actuates one of the 3-way valves, delivering full supply pressure to the chosen directional output. Handle movement beyond 20° actuates the regulating valve, delivering pressure to its output according to handle position. The chosen directional output remains at full supply pressure from 10° to 80° of handle travel.

Weight: 9 lb. (4.1 kg)
 Materials: Die cast silicon bronze and stainless steel
 Operating Temp. Range: -40°C to +90°C
 Pipe Port Size: 1/8" N.P.T.
 Maximum Supply Pressure: 150 psi (10.3 bar)

APPLICATIONS

- Used principally for the control of throttles or governors and reverse clutches by a single handle
- For pneumatic control of two mechanisms, one directional and the other proportional, by a single handle

ORDERING INFORMATION

Model Designations:

- C - One short handle (standard)
- D - One long handles
- E - Spring return handle
- H - With chrome finish dome and handles
- J - With polished brass finish dome and handles
- K - With black epoxy finish dome and chrome handle
- N - 0 – 60 psi
- P - 0 – 80 psi
- R - 0 – 100 psi
- S - 0 – 120 psi
- T - 10 – 60 psi
- U - 10 – 80 psi
- W - 10 – 100 psi
- X - 10 – 120 psi

Handles are available with plastic grips (Designation "V")

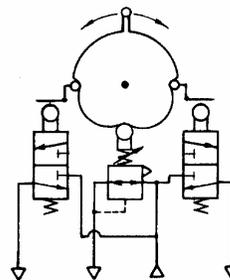
The standard model 2544 Control Head is supplied as:

- i. short handle
- ii. with chrome finish cover and handle
- iii. in any standard pressure range

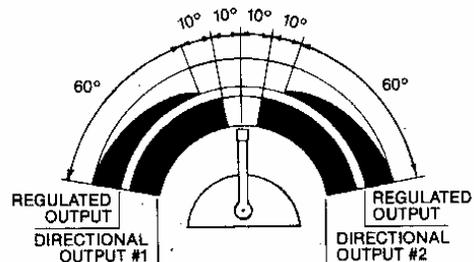
To order, state Model number followed by the desired Designation letter codes (must specify pressure range):
 Example: *2544-CHU* is for standard 2544 with 10-80 psi pressure range.

Kobelt also design Control Heads for special applications. Contact us for further information.

SCHEMATIC SYMBOL

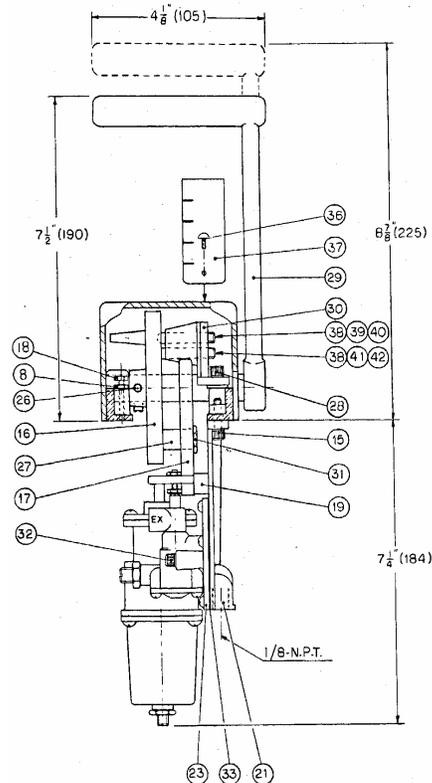
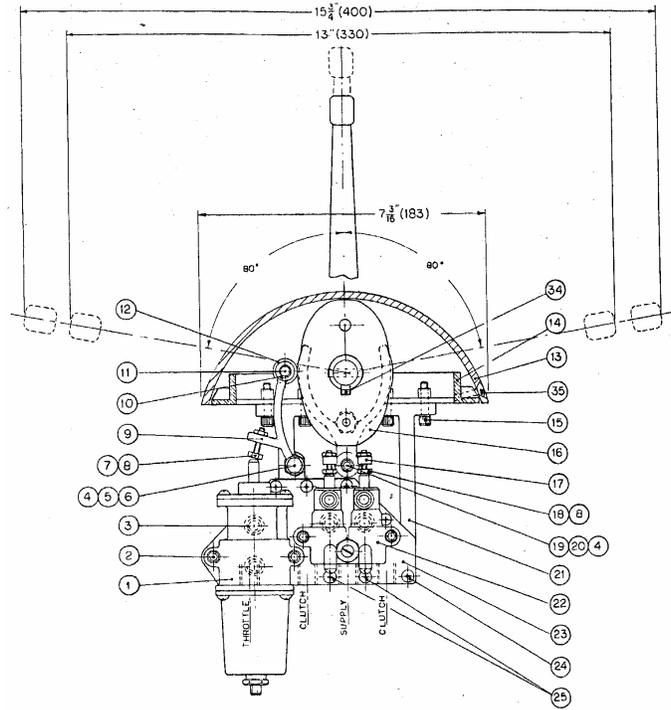


OUTPUT PRESSURE VS LEVER TRAVEL

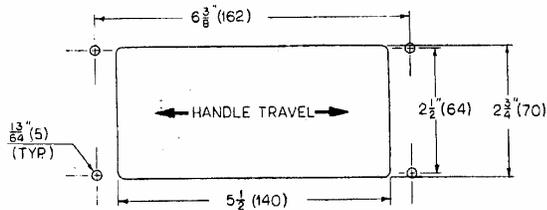


DIMENSIONS AND PARTS LIST MODEL 2544

Item	Qty	Part Number	Description
1	1	3217	Valve
2	2	1002-1024	Socket Hd. Screw
3	5	1101-0010	"O" Ring
4	2	1023-0232	flat washer
5	1	1001-1028	Hex Hd. Screw
6	1	2545-0002	Spacer
7	3	1001-0808	Hex Hd. Screw
8	5	1022-0108	Nut
9	1	2545-0001	Roller Arm
10	2	1029-1031	Snap Ring
11	1	2542-0011	Pin
12	1	2543-0009	Roller
13	1	2543-0001	Cover
14	1	2543-0002	Frame
15	4	1002-1010	Socket Hd. Screw
16	1	2545-0003	Cam
17	1	2545-0008	"Fork" Cam
18	2	1001-0812	Hex Hd. Screw
19	1	2544-0007	Bushing
20	1	1001-1020	Hex Hd. Screw
21	1	2544-0001	Pot Support
22	1	3803-A	Valve
23	1	2544-0003	Plate
24	5	1010-0806	Round Hd. Screw
25	3	1009-0806	Flat Hd. Screw
26	1	1024-0816	Spring Pin
27	1	2544-0004	Roller
28	2	1002-1008	Socket Hd. Screw
29	1	2545-0005	Handle (short)
29	1	2545-0014	Handle (long)
30	1	2542-0009	Bracket
31	1	2544-0005	Shoulder Screw
32	2	1002-1020	Socket Hd. Screw
33	1	2544-0008	Gasket
34	1	1016-1004	Set Screw
35	2	1005-0808	Oval Hd. Screw
36	2	1032-0304	Rivet
37	1	2545-0013	Indicator Strip
38	2	1016-1205	Set Screw
39	1	1201-0062	Spring
40	1	2545-0012	Detent Pin
41	1	1201-0003	Spring
42	1	2545-0021	Friction Plug



A Repair Kit 2544-RK comprising all seals and gaskets is available on order.



Panel Cut Out Dimensions