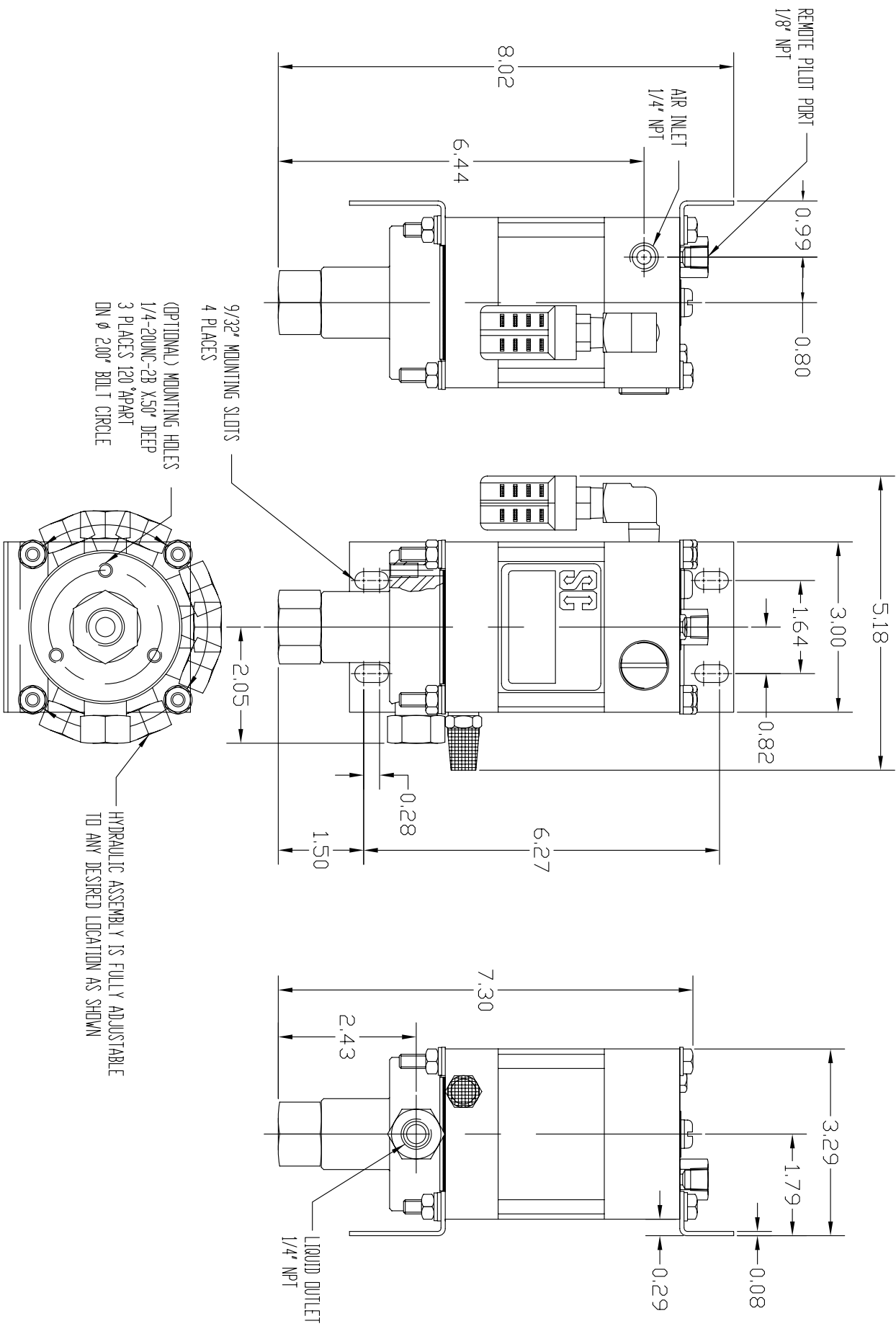




SOUTHERN CALIFORNIA HYDRAULIC ENGINEERING CORPORATION
DESIGNERS AND MANUFACTURERS OF HYDRAULIC & PNEUMATIC EQUIPMENT
1130 COLUMBIA STREET BREA, CALIFORNIA 92821

REMOTE PILOT & HIGH PRESS. OUTLET FITTING PUMP ASSEMBLY L3-M029-15 THRU L3-M029-105
ASSEMBLY DRAWING NO. M0029-15 THRU-105

FORM L3-M029-DM REV. N.C. 08/25/11





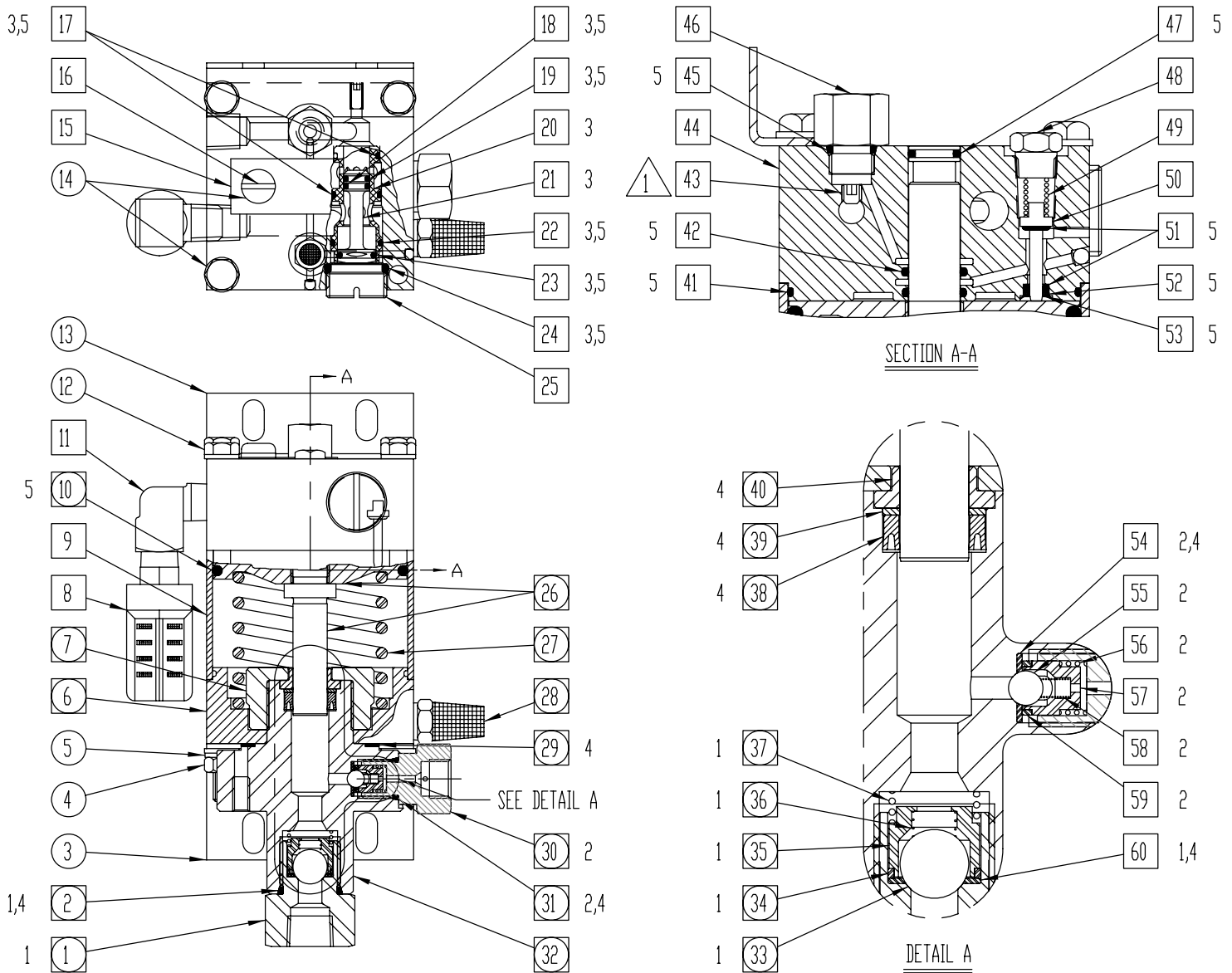
SOUTHERN CALIFORNIA HYDRAULIC ENGINEERING CORPORATION

DESIGNER AND MANUFACTURER OF HYDRAULIC & PNEUMATIC EQUIPMENT

1130 COLUMBIA STREET BREA, CALIFORNIA 92821

REMOTE PILOT & HIGH PRESS. OUTLET FITTING PUMP ASSEMBLY L3-M029-25 THRU-45 PUMP ASSEMBLY DRAWING NO. M10029-25 THRU-45

FORM L3-M029-25-45 REV N/C 08/25/11



- 5 INCLUDED IN R10001 AIR DRIVE REPAIR KIT
- 4 INCLUDED IN R10009-XX HYDRAULIC REPAIR KIT
- 3 INCLUDED IN C10503 SPOOL & SLEEVE ASSEMBLY
- 2 INCLUDED IN C10501-2 OUTLET CHECK VALVE ASSEMBLY
- 1 INCLUDED IN C10500-2 INLET CHECK VALVE ASSEMBLY

XX INCLUDED IN C10520 AIR DRIVE ASSEMBLY

XX INCLUDED IN C10506-XX HYDRAULIC ASSEMBLY

ITEM NO.	TORQUE VALUE
1	50-55 FT./LBS.
4	50-60 IN./LBS.
7	80-85 FT./LBS.
30	50-55 FT./LBS.

△ 1 APPLY RED LOCTITE NO. 262 TO MALE THREAD AND INSERT TO DEPTH SHOWN

* REPRESENTS PUMP ASSEMBLY RATIO NUMBER
EXAMPLE: R10009-25 HYDRAULIC REPAIR KIT FOR L3-25

BILL OF MATERIALS FILE: M10029.XLS			
DRAWING NUMBER & DESCRIPTION: M10029 REMOTE PILOT & H.P.FITTING OUTLET PUMP ASSEMBLY			
PUMP MODEL: L3-M029-25			
REVISION: N/C, 08/25/11			
ITEM NO	QTY	PART NO	DESCRIPTION
1	1	D10418-2	FITTING-INLET 3/8" NPT
2	1	P11005-910	O-RING
3	1	D11009-2	BRACKET-MOUNTING
4	4	P10217-025	NUT-HEX
5	4	P10212-025	WASHER-LOCK
6	1	D10502	SUPPORT-HYDRAULIC CYLINDER
7	1	D10503	PACKING NUT-HYDRAULIC
8	1	P10005-025	MUFFLER
9	1	D10114-1	BARREL
10	1	P11000-231	O-RING
11	1	P10006-025	ELBOW-STREET
12	4	P10218-500	BOLT-HEX
13	1	D11009-1	BRACKET-MOUNTING
14	9	P10214-025	WASHER-FLAT
15	1	D11002	PLATE-COVER
16	1	P10206-038	SCREW-PAN HEAD MACHINE
17	2	P11000-015	O-RING
18	1	P11014-010	O-RING
19	1	P11001-010	O-RING
20	1	D10203	SLEEVE-CYCLING VALVE
21	1	D10204	SPOOL-CYCLING VALVE
22	1	P11000-016	O-RING
23	1	P11001-013	O-RING
24	1	P11000-116	O-RING
25	1	D10205	PLUG-CYCLING VALVE
26	1	C10001-25	PISTON & PLUNGER ASSEMBLY
27	1	D10857	SPRING-RETURN
28	1	P10001-025	MUFFLER / FILTER
29	1	D10401	GASKET
30	1	D10420	FITTING-OUTLET 1/4" O.D.TUBE-HIGH PRESSURE
31	1	P11005-906	O-RING
32	1	D10508-25	CYLINDER-HYDRAULIC L3-25
33	1	P10208-050	BALL
34	1	D10210	RING-CHECK VALVE 1/2 BALL
35	1	D10209	GUIDE-CHECK VALVE 1/2 BALL
36	1	D10855	SPRING-RETURN 1/2 BALL CHECK VALVE
37	1	D10854	SPRING-LOADING 1/2 BALL CHECK VALVE
38	1	P11202-034	SEAL-ROD
39	1	D10653-2	BACK-UP WASHER-SEAL
40	1	D10731-25	BEARING-UPPER
41	1	P11000-038	O-RING
42	2	P11001-014	O-RING
43	1	P10226-019	SET SCREW-HEX SOCKET
44	1	D10601	END CAP-AIR
45	1	P11005-904	O-RING
46	1	D10414	ADAPTER-REMOTE PILOT
47	1	P11003-012	O-RING
48	1	P10002-013	BREATHER FILTER VENT
49	1	P10516	SPRING-POPPET
50	1	D10201	POPPET-PILOT VALVE
51	2	P11001-006	O-RING
52	1	D10732	BEARING-POPPET VALVE

BILL OF MATERIALS FILE: M10029.XLS			
DRAWING NUMBER & DESCRIPTION: M10029 REMOTE PILOT & H.P.FITTING OUTLET PUMP ASSEMBLY			
PUMP MODEL: L3-M029-25			
REVISION: N/C, 08/25/11			
ITEM NO	QTY	PART NO	DESCRIPTION
53	1	P10201-031	RETAINING RING
54	1	D10215-2	SEAT-BALL
55	1	P10208-025	BALL
56	1	D10852	SPRING-LOADING 1/4 BALL CHECK VALVE
57	1	D10207	GUIDE-CHECK VALVE 1/4 BALL
58	1	D10853	SPRING-RETURN 1/4 BALL CHECK VALVE
59	1	D10208	RING-CHECK VALVE 1/4 BALL
60	1	D10215-3	SEAT-BALL