



Baker[®] Type *Drill Pipe*

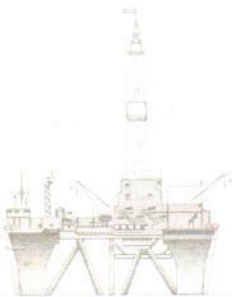
Float Valves

100% interchangeable with Baker[®]

Premium Quality

Model 'F', 'G' & 'GA'

'1F2R' thru '5F6R'



Built with advanced Technology!

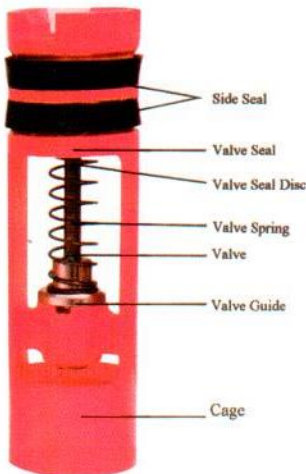


Model "F" PLUNGER Type



Cobra Float Valves & parts are 100% interchangeable with Baker®

Model 'F'



SIZE	Mfg	COMPLETE ASSEMBLY P/N	METAL REPAIR KIT P/N	RUBBER REPAIR KIT P/N
1R	COBRA BAKER®	C-131-200 480131200	C-929-800 015929800	C-012-200 016012200
1F	COBRA BAKER®	C-131-422 480131422	C-011-300 016011300	C-012-300 016012300
2R	COBRA BAKER®	C-132-432 480132432	C-011-400 016011400	C-012-400 016012400
2F	COBRA BAKER®	C-132-432 480132432	C-011-400 016011400	C-012-400 016012400
3R	COBRA BAKER®	C-133-400 480133400	C-011-500 016011500	C-012-500 016012500
3F	COBRA BAKER®	C-133-400 480133400	C-011-500 016011500	C-012-500 016012500
3 1/2	COBRA BAKER®	C-133-600 480133600	C-011-500 016011500	C-012-600 016012600
IF	COBRA BAKER®	C-133-600 480133600	C-011-500 016011500	C-012-600 016012600
4R	COBRA BAKER®	C-134-200 480134200	C-011-700 016011700	C-012-700 016012700
4F	COBRA BAKER®	C-134-400 480134400	C-011-800 016011800	C-012-800 016012800
5R	COBRA BAKER®	C-135-200 480135200	C-011-900 016011900	C-012-900 016012900
5F	COBRA BAKER®	C-135-462 480135462	C-012-000 016012000	C-013-000 016013000
6R	COBRA BAKER®	C-135-462 480135462	C-012-000 016012000	C-013-000 016013000
6F	COBRA BAKER®	C-136-400 480136400	C-012-100 016012100	C-013-100 016013100

Piston Type

Replacement Parts List for Model "F"

Description	1R	1F	2R	2F	3R	3F	3 1/2	IF	4R	4F	5R	5F	6R	6F
1 CAGE	C-30574	C-30568	C-30538	C-30538	C-30538	C-30556	C-38527	C-30526	C-30532	C-30544	C-30550	C-30550	C-30550	C-30562
2 VALVE	C-30575	C-30569	C-30539	C-30539	C-30539	C-30557	C-30557	C-30527	C-30533	C-30545	C-30551	C-30551	C-30551	C-30563
3 VALVE SEAL	C-30576	C-30570	C-30540	C-30540	C-30540	C-30558	C-30558	C-30528	C-30534	C-30546	C-30552	C-30552	C-30552	C-30564
4 VALVE SEAL DISC	C-30577	C-30571	C-30541	C-30541	C-30541	C-30559	C-30559	C-30529	C-30535	C-30547	C-30553	C-30553	C-30553	C-30565
5 VALVE GUIDE	C-30572	C-30572	C-30542	C-30542	C-30542	C-30560	C-30560	C-30530	C-30536	C-30548	C-30554	C-30554	C-30554	C-30566
6 VALVE SPRING	C-05560	C-05626	C-01751	C-01751	C-01751	C-02013	C-02013	C-29610	C-27600	C-30883	C-30884	C-30884	C-30884	C-05469
7 SIDE SEAL	C-05561	C-05625	C-03939	C-03939	C-03939	C-02015	C-03986	C-03940	C-01908	C-03941	C-01958	C-01958	C-01958	C-03490

REPAIR KITS

MODEL	Metal Repair Kit	Rubber Repair Kit
F	3 valve springs, 1 valve, 1 valve guide, 1 valve seal disc	8 side seals, 2 valve seals

Call: 713.541.5050 / Fax: 713.541.2525



Model "G" Full Flow FLAPPER Type

Cobra Float Valves & parts are 100% interchangeable with Baker®

Model 'G'

Model 'GA'

SIZE	Mfg	Complete Assembly P/N	Metal Repair-Kit P/N	Rubber Repair Kit P/N	Complete Assembly P/N	Metal Repair-Kit P/N	Rubber Repair Kit P/N
2F	COBRA	C-152-432	C-013-200	C-013-800	C-162-432	C-135-000	C-013-800
3R	BAKER®	480152432	016013200	016013800	480162432	017135000	016013800
3F	COBRA	C-153-400	C-013-300	C-013-900	C-163-400	C-136-700	C-013-900
	BAKER®	480153400	016013300	016013900	480163400	017136700	016013900
3 1/2 IF	COBRA	C-153-600	C-013-300	C-982-000	C-163-600	C-136-700	C-982-000
	BAKER®	480153600	016013300	051982000	480163600	017136700	051982000
4R	COBRA	C-154-200	C-013-400	C-014-000	C-164-200	C-116-000	C-014-000
	BAKER®	480154200	016013400	016014000	480164200	017116000	016014000
4F	COBRA	C-154-400	C-013-500	C-014-100	C-164-400	C-136-800	C-014-100
	BAKER®	480154400	016013500	016014100	480164400	017136800	016014100
5R	COBRA	C-155-200	C-013-600	C-014-200	C-165-200	C-136-900	C-014-200
	BAKER®	480155200	016013600	016014200	480165200	017136900	016014200
5F	COBRA	C-155-462	C-013-700	C-014-300	C-165-462	C-134-200	C-014-300
6R	BAKER®	480155462	016013700	016014300	480165462	017134200	016014300

Replacement Parts List for Model "G"

	Description	2F 3R	3F	3 1/2 IF	4R	4F	5R	5F 6R
1	CAGE	C-44231	C-46278	C-19658	C-44195	C-46272	C-47718	C-44238
2	SIDE SEAL	C-03939	C-02015	C-03986	C-03940	C-01908	C-03941	C-01958
3	SPRING	C-44235	C-46231	C-46231	C-44210	C-46226	C-46226	C-44240
4	SEAL RETAINING RING	C-44233	C-46287	C-46287	C-43587	C-46277	C-47722	C-44237
5	SEAL	C-43574	C-46243	C-46243	C-41303	C-45340	C-47721	C-43597
6	FLAPPER-VALVE	C-27065	C-27054	C-27054	C-27064	C-27052	C-27053	C-27066
7	BUMPER (LARGE)	C-44243	C-44243	C-44243	C-44213	C-44213	C-44213	C-44213
8	PIN	C-43575	C-43575	C-43575	C-46397	C-46397	C-47723	C-43595
9	SHOCK ABSORBER	C-43573	C-46242	C-19659	C-42709	C-45339	C-47720	C-43596
10	BUMPER (SMALL)	C-44214	C-44214	C-44214	C-44214	C-44214	C-44214	C-44214
11	SPRING ASSY.	C-47763	C-47764	C-47764	C-47760	C-47761	C-47761	C-47762

REPAIR KITS

MODEL	Metal Repair Kit	Rubber Repair Kit
G	1 seal retaining ring, 3 hinge pins	8 side seals, 2 valve seals,
GA	3 spring assembly, 1 flapper valve	1 shock absorber, 1 seal retaining ring



When Quality counts... count on COBRA!

“MODEL F”

PLUNGER TYPE WITH “VITON” SEALS

SIZE	COMPLETE ASSEMBLY P/N	METAL REPAIR KIT P/N	RUBBER REPAIR KIT P/N
1R	C-301-200	C-084-901	C-081-701
1F 2R	C-301-422	C-085-001	C-081-801
2F 3R	C-302-432	C-085-101	C-081-901
3F	C-303-400	C-085-201	C-082-001
3 1/2 IF	C-303-600	C-085-301	C-082-101
4R	C-304-200	C-085-401	C-082-201
4F	C-304-400	C-085-501	C-082-301
5R	C-305-200	C-085-601	C-082-401
5F 6R	C-305-462	C-085-701	C-082-501
6R	C-306-400	C-085-801	C-082-601

Float Valve Installation

Cobra R.P.I. drill pipe float valves are easy to install. Simply lubricate the side seal rubbers and slide the float valve into the cavity in the float body or drilled out drill collar.

CAUTION: Care must be taken in positioning the float valve in the drilling string. Fill drill pipe regularly when going in the hole. Failure to do so can cause hydro-static pressure which can cause damage to the drill pipe and/or float valve.

Recutting drill pipe float body or Boring out drill collars

Models 'F' and 'G' are identical in outside dimensions and use the same float body or bored out drill collar. Float subs are available in 14 to 24 inches, depending on connection size. Designed for two recuts, one on each end or two on one end. Care should be taken to maintain dimension 'A' on all recuts.

“MODEL G”

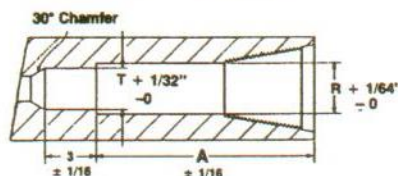
FULL FLOW FLAPPER TYPE WITH “VITON” SEALS

SIZE	COMPLETE ASSEMBLY P/N	METAL REPAIR KIT P/N	RUBBER REPAIR KIT P/N
2F 3R	C-312-432	C-085-901	C-082-701
3F	C-313-400	C-086-001	C-082-801
4R	C-314-200	C-086-101	C-082-901
4F	C-314-400	C-086-201	C-083-001
5R	C-315-200	C-086-301	C-083-101
5F 6R	C-315-462	C-086-401	C-083-201

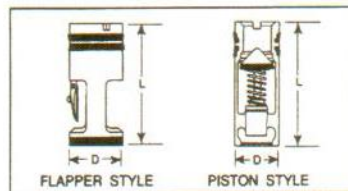
Dimensional Data

Size Valve	D Diameter of Valve	R (D Plus 1/32) Diameter of Recess for Valve	L Length of Valve	T ¹ Diameter of Recess for TOTCO Spider
1R	1 ^{1/32}	1 ^{1/16}	5 ^{1/2}	1 ^{1/16}
1F-2R	1 ^{1/32}	1 ^{1/16}	6 ^{1/4}	1 ^{1/2}
2F-3R	2 ^{1/32}	2 ^{1/16}	6 ^{1/2}	1 ^{3/32}
3F	2 ^{1/16}	2 ^{1/32}	10	2 ^{1/16}
3-1/2IF	3 ^{1/8}	3 ^{1/32}	10	2 ^{1/16}
4R	3 ^{1/32}	3 ^{1/2}	8 ^{7/16}	2 ^{1/16}
4F	3 ^{1/32}	3 ^{1/16}	12	3 ^{1/4}
5R	3 ^{1/8}	3 ^{3/32}	9 ^{3/4}	3 ^{3/8}
5F-6R	4 ^{1/32}	4 ^{1/16}	11 ^{1/4}	4 ^{1/32}
6F	5 ^{1/16}	5 ^{3/32}	14 ^{3/4}	5 ^{1/16}

¹If this diameter is the same or smaller than standard tool joint ID, disregard it.



$$A = L (\text{Length of Valve Assembly}) + \text{Length of Tool Joint Pin} = 1/4"$$



Drill Pipe Float Valve Subs

API Regular Threads – Box or Pin

SIZE	O.D.	I.D.	LENGTH	VALVE
2 ^{1/8} "	3 ^{1/8} "	1"	18"	1R
2 ^{1/4} "	3 ^{3/4} "	1 ^{1/4} "	20"	1F-2R
3 ^{1/2} "	4 ^{1/4} "	1 ^{1/2} "	20"	2F-3R
4 ^{1/2} "	5 ^{1/2} "	2 ^{1/4} "	24"	4R
5 ^{1/2} "	6 ^{3/4} "	2 ^{3/8} "	28"	5R
6 ^{1/8} "	7 ^{3/4} "	3 ^{1/2} "	30"	5F-6R
7 ^{1/8} "	8 ^{1/4} "	4"	30"	5F-6R
8 ^{1/8} "	10"	4 ^{3/4} "	30"	6F

API Full Hole – Box or Pin

SIZE	O.D.	I.D.	LENGTH	VALVE
2 ^{1/8} "	4 ^{1/4} "	2 ^{1/4} "	20"	2F-3R
3 ^{1/2} "	4 ^{1/4} "	2 ^{1/4} "	24"	3F
4"	5 ^{1/4} "	2 ^{13/16} "	24"	3 ^{1/2} IF
4 ^{1/2} "	5 ^{3/4} "	3"	28"	4F
5 ^{1/2} "	7"	4"	30"	5F-6R
6 ^{1/8} "	8"	5"	30"	6F

API IF Internal Flush – Box or Pin

SIZE	O.D.	I.D.	LENGTH	VALVE
2 ^{1/8} "	3 ^{3/8} "	1 ^{3/4} "	18"	1F-2R
2 ^{1/4} "	4 ^{1/4} "	2 ^{1/4} "	20"	2F-3R
3 ^{1/2} "	4 ^{3/4} "	2 ^{1/16} "	24"	3 ^{1/2} IF
4"	5 ^{3/4} "	3 ^{1/4} "	28"	4F
4 ^{1/2} "	6 ^{1/4} "	3 ^{3/4} "	28"	5R
5 ^{1/2} "	7 ^{3/8} "	4 ^{1/8} "	30"	5F-6R
6 ^{1/8} "	8 ^{3/4} "	5 ^{3/32} "	30"	6F

