

THIS IS A COMPUTER AIDED DRAWING AND MUST NOT BE ALTERED MANUALLY

Tolerances except as noted Welding except as noted

Rev.	Description of revision	Grd.	Appr.	Date / Sign.
0	ISSUED FOR CONSTRUCTION	BRT	OH	07-FEB-07/KE
A	CHANGED LENGTH ON HOSE 'S & INSERT NO 2 TYPE, ADDED HOSE 'S	REV	KE	04-JUL-07/KE

NOTE:

HOSE FITTINGS:

INSERTS
INSERT no 1 ALWAYS TO BE OF STRAIGHT TYPE
FERRULES

USE FERRULES OF APPROVED TYPE/MATERIAL ACC. TO HOSE AND INSERT FITTING

CLEANING:
ALL HOSES TO BE FLUSHED IN ACCORDANCE WITH MH FLUSHING PROCEDURE: KA23-0001

PRESSURE TESTING:

ALL HOSES TO BE PRESSURE TESTED IN ACCORDANCE WITH:
MH PRESSURE TEST PROCEDURE: KA32-0001

IDENTIFICATION:

THE LABEL TEXT SHALL CONTAIN FOLLOWING INFO:
SHEET REF. (TOP OF EACH TABLE) AND CORRESPONDING HOSE ID.
E.G: 02603

IF THE SHEET REFERENCE ALSO REFERS TO AN OPTION CODE,
THIS CODE IS TO BE INSERTED BETWEEN THE SHEET REFERENCE AND THE HOSE ID.
E.G: 0260H03

THE LABEL MUST BE OF A TYPE WHICH WILL WITHSTAND WEAR AND TEAR,
AND STILL BE READABLE FOR THE LIFETIME OF THE HOSE.
THE HOSE SHALL BE PHYSICALLY LABELLED WITH ONE LABEL IN EACH END,
BESIDE THE GRIP SLEEVE, FOR ALL HOSES LONGER THAN 1000mm
FOR HOSES SHORTER THAN 1000mm, IT IS SUFFICIENT TO LABEL THE

INSERT no 2 END ONLY.
ASSEMBLY ON EQUIPMENT:
INSERT no 2 ON HOSE ARE IDENTIFIED BY A SHADED ARROWHEAD
ON THE HYDRAULIC FLOW DIAGRAM HOSE ID LABELS.

LENGTH MEASUREMENT:
HOSE LENGTHS TO BE MEASURED BETWEEN SEAL FACES OF THE HOSE FITTINGS
"F-ID" AND "P-ID" COLUMNS

FLUSHING/PRESSURE TEST LOOP ID'S TO BE FILLED IN (REF KA 23 AND 32)

12	1818059	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 01-10
13	1818058	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 01-10
11	1818057	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 01-03
10	1818056	TORQUE MASTER, TWL
09	1818055	TORQUE MASTER CASING STABBING GUIDE
08	1818054	TORQUE MASTER BLACK-UP TONG
07	1818053	TORQUE MASTER SPINNER
06	1818052	TORQUE MASTER MAIN TONG GRUCK
05	1818051	TORQUE MASTER MAIN TONG GRUCK CONTROL
04	1818050	TORQUE MASTER MAIN TONG DRIVE
03	1818049	TORQUE MASTER MAIN FRAME
02	1818048	TORQUE MASTER MAIN FRAME
01	1818047	TORQUE MASTER MAINFOLD IN DERICK
SHEET NO. MH DRAWING NO. CONTENTS OF DRAWING		

SHEET NO. 03

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1				INSERT no. 2				INSERT	MWP	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE					
H01	M3K (3000 psi)	3/4"	1080	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H02	M3K (3000 psi)	3/4"	1030	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H03	M3K (3000 psi)	1/4"	1460	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12.14	207			
H04	M3K (3000 psi)	1/4"	1500	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12.14	207			
H05	M3K (3000 psi)	1/2"	1320	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207			
H06	M3K (3000 psi)	3/4"	1280	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H07	M3K (3000 psi)	1/2"	2130	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H08	M3K (3000 psi)	1/4"	380	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12.14	207			
H09	M3K (3000 psi)	1/4"	680	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12.14	207			
H10	M3K (3000 psi)	1/2"	1800	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207			
H11	M3K (3000 psi)	3/4"	1910	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H12	M3K (3000 psi)	1/2"	1900	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207			
H13	M3K (3000 psi)	1/4"	1420	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207			
H14	M3K (3000 psi)	1/4"	1400	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207			
H15	M3K (3000 psi)	1/2"	2250	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H16	M3K (3000 psi)	1/4"	2250	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207			
H17	M3K (3000 psi)	1/2"	2160	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H18	M3K (3000 psi)	1/2"	2180	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H19	M3K (3000 psi)	1"	2710	SAE J514	15/16"-12	FEMALE	SAE J514	15/16"-12	FEMALE	45°	SAE 12.14	207			
H20	M3K (3000 psi)	3/4"	2110	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	STRAIGHT	SAE 12.14	207			
H21	M3K (3000 psi)	3/4"	1300	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	45°	SAE 12.14	207			
H22	M3K (3000 psi)	3/4"	2100	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H23	M3K (3000 psi)	3/4"	1050	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	45°	SAE 12.14	207			
H24	M3K (3000 psi)	3/4"	1900	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H25	M3K (3000 psi)	1/2"	800	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H26	M3K (3000 psi)	1/2"	1340	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207			
H27	M3K (3000 psi)	1"	1250	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H28	M3K (3000 psi)	1"	900	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H29	M3K (3000 psi)	1"	1100	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H30	M3K (3000 psi)	1"	1140	SAE J514	11/16"-12	FEMALE	SAE J514	11/16"-12	FEMALE	90°	SAE 12.14	207			
H31	M3K (3000 psi)	3/8"	1250	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12.14	207			
H32	M3K (3000 psi)	3/8"	1250	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12.14	207			
H33	M3K (3000 psi)	3/8"	1160	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12.14	207			
H34	M3K (3000 psi)	1/4"	320	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12.14	207			
H35	M3K (3000 psi)	1/4"	500	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12.14	207			
H36	M3K (3000 psi)	1/4"	360	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207			

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SHEET NO. 01 (SERVICE LOOP)

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1				INSERT no. 2				INSERT MATERIAL	MWP F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE				
H01	G3K (3000 psi)	1 1/2"	9200	SAE J518C 61	1 1/2"	0-RING	SAE J518C 61	1 1/2"	0-RING	STRAIGHT	SAE 12.14	207		
H02	G3K (3000 psi)	2"	9200	SAE J518C 61	2"	0-RING	SAE J518C 61	2"	0-RING	STRAIGHT	SAE 12.14	207		
H03	M3K (3000 psi)	1"	9200	SAE J518C 61	1"	0-RING	SAE J518C 61	1"	0-RING	STRAIGHT	SAE 12.14	207		
H04	M3K (3000 psi)	1/2"	9200	SAE J514	7/8" - 14	FEMALE	SAE J514	7/8" - 14	FEMALE	STRAIGHT	SAE 12.14	207		
H05	M3K (3000 psi)	1/2"	9200	SAE J514	7/8" - 14	FEMALE	SAE J514	7/8" - 14	FEMALE	STRAIGHT	SAE 12.14	207		
H06	M3K (3000 psi)	1/4"	9200	SAE J514	9/16" - 18	FEMALE	SAE J514	9/16" - 18	FEMALE	STRAIGHT	SAE 12.14	207		
H07	M3K (5000 psi)	1/2"	9200	SAE J514	7/8" - 14	FEMALE	SAE J514	7/8" - 14	FEMALE	STRAIGHT	SAE 12.14	322		

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SHEET NO. 01

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2			INSERT		
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE	MATERIAL	MWP
H08	M3K (3000 psi)	1/2"	850	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207
H09	M3K (3000 psi)	1/4"	850	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207
H10	M3K (3000 psi)	1/4"	400	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207

SHEET NO. 02

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2			INSERT MATERIAL	MWP BAR	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE				
H01	M3K (3000 psi)	3/8"	950	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12.14	207	
H02	M3K (3000 psi)	3/8"	950	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12.14	207	
H03	M3K (3000 psi)	1/4"	380	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H04	M3K (3000 psi)	1/4"	380	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H05	M3K (3000 psi)	3/8"	950	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12.14	207	
H06	M3K (3000 psi)	3/8"	950	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12.14	207	
H07	M3K (3000 psi)	1/4"	380	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H08	M3K (3000 psi)	1/4"	380	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H09	M3K (3000 psi)	1"	2940	SAE J518C 61	1"	0-RING	SAE J518C 61	1"	0-RING	STRAIGHT	SAE 12.14	207	
H10	M3K (3000 psi)	1"	2940	SAE J518C 61	1"	0-RING	SAE J518C 61	1"	0-RING	STRAIGHT	SAE 12.14	207	
H11	MEGAVAC (250 psi)	1 1/4"	2925	SAE J518C 61	1 1/4"	0-RING	SAE J518C 61	1 1/4"	0-RING	STRAIGHT	SAE 12.14	17	
H12	MEGAVAC (250 psi)	1 1/4"	2910	SAE J518C 61	1 1/4"	0-RING	SAE J518C 61	1 1/4"	0-RING	STRAIGHT	SAE 12.14	17	
H13	M3K (3000 psi)	1"	2940	SAE J518C 61	1"	0-RING	SAE J518C 61	1"	0-RING	STRAIGHT	SAE 12.14	207	
H14	M3K (3000 psi)	1/2"	3000	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207	
H15	M3K (3000 psi)	1/2"	3000	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207	
H16	M3K (3000 psi)	1/4"	3000	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H17	M3K (3000 psi)	1"	4550	SAE J518C 61	1"	0-RING	SAE J518C 61	1"	0-RING	90°	SAE 12.14	207	
H18	MEGAVAC (250 psi)	1 1/4"	4350	SAE J518C 61	1 1/4"	0-RING	SAE J518C 61	1 1/4"	0-RING	90°	SAE 12.14	17	
H19	M3K (3000 psi)	1/2"	4350	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207	
H20	M3K (3000 psi)	1/2"	4350	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12.14	207	
H21	M3K (3000 psi)	1/4"	4350	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12.14	207	
H22	M3K (3000 psi)	1/2"	4350	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207	
H23	M3K (3000 psi)	1/2"	735	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207	
H24	M3K (3000 psi)	1/2"	610	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12.14	207	