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PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL
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C	E	F	L	N	U	YJ	YK	YR											
COVER SHEET										(C) Copyright Fisher Controls, 1990,1991									
Title: DESIGN E STYLE NS BONNET										Rev: J									
5 IN BOSS, 1 IN STEM										By: HALM 5-10-91									
Size: 2-8										EM No: EX18									
Orig: TC										Date: 2-15-79 Chkd: DCP Apvd: HGR									
										Page: 0.1									

TITLE	DESIGN E STYLE NS BONNET 5 IN BOSS, 1 IN STEM	SIZE	2"-8"	BY	JM	2-15-79
				CHKD.	FRP	2-15-79
				APVD.	HCR	2-17-79

ITEM A - PACKING FLANGE, STUDS & NUTS

MATL	TEMP °F
	COL 1
WCB	-20+800
316	-425+1100

ITEM B - PACKING

MATL	TEMP °F
	COL 1
RIBBON GRAPHITE	-425+1100
TFE	-40+450

ITEM C - PACKING PARTS

MATL	TEMP °F
	COL 1
316	-425+1100

ITEM D - BONNET

MATL	TEMP °F
	COL 1
WCB	-20+800
316	-325+ 1000

FISHER CONTROLS COMPANY PRODUCT RATING	B	3-26-79				REV	EM	PAGE 0.2
	C	4-2-81				D		EX18
	D	4-16-90						

TITLE	DESIGN E STYLE NS BONNET 5 IN BOSS, 1 IN STEM	SIZE	2-8"	BY	Curly	2-15-79
				CHKD.	DCP	2-15-79
				APVD.	HGR	2-17-79

ITEM A - PACKING FLANGE, STUDS & NUTS & LUBRICANT

	STEEL	316 SST
	A	A
	1	2

ITEM B - PACKING
ITEM C - PACKING PARTS

PACKING BOX SIZE 23A1004

SINGLE PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT		TFE	
PACKING				
ARRANGEMENT	14A2340		12A7837	
TRIM MATL	B	C	B	C
316 SST	2	2	1	1

DOUBLE PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT		TFE	
PACKING				
ARRANGEMENT	16A0844		16A1935	
TRIM MATL	B	C	B	C
316 SST	4	4	3	3

LEAKoff PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT			
PACKING				
ARRANGEMENT	16A0845			
TRIM MATL	B	C		
316 SST	5	4		

TITLE	DESIGN E STYLE NS BONNET 5 IN BOSS, 1 IN STEM	SIZE	2-8"	BY		
				CHKD.	DEP	2-15-79
				APVD.	HGR	2-17-79

ITEM D - BONNET

CL 600, DESIGN E

	PBS 23A1004					
	NON TAPPED	LEAKOFF CONNECTIONS				
		1/2 SOCKET WELD		1/2 NPT CONNECTION		3/8 SOCKET WELD
		ONE NIPPLE	TWO NIPPLE	ONE CONNECT	TWO CONNECT	ONE CONNECT
3 INCH	D	D	D	D	D	D
WCB STL	-	-	1	-	-	-
316 SST	-	-	2	-	-	-

CL 900 DESIGN EW

6 INCH						
WCB	-	-	-	3	-	-
316 SST	-	-	-	4	-	-

CL 1500, DESIGN E

3 INCH						
WCB	5	-	-	-	-	-
316	6	-	-	-	-	-

4 INCH						
WCB	7	-	13	-	-	-
316	8	-	14	-	-	-

6 INCH						
WCB	9	-	-	11	-	-
316	10	-	-	12	-	-

CL 900 DESIGN EWP STYLE NS

6 INCH						
WCB	-	-	-	-	-	15

PICK CODE COLUMN-

ITEM B TRIM-11

C TRIM-13

D TYPE-1, SIZE-5, BASE MATL-7

EM EX18 - A B C D

FISHER CONTROLS COMPANY	B	6-6-80				REV	EM	PAGE B
	C	9-28-80				C		
ORDER ENTRY MATRIX								EX18

ITEM A - PACKING FLANGE,STUDS & NUTS & LUBRICANT

		STL	316 SST
		Q (1)	(2)
3	FLANGE	1 0V002425052	1H788235072
4	STUDS	2 0V002531032	0V002535222
5	NUTS	2 1A343324112	1A343335252
25	STUD BOLT	8 1N356531012	1N356531012
26	HEX NUT	8 1A3520K0012	1A3520K0012
34	LUBRICANT	- 1M5539X0012	1M5539X0012

ITEM B - PACKING

SINGLE PACKING ARRANGEMENT

			PTFE	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT
		ARRANGEMENT	12A7837	14A2340
		Q (1)	(2)	
6	PACKING SET	1 1R290601012	-----	-----
7	PACKING RING	2 -----	-----	1U6768X0022
7	PACKING RING	3 -----	-----	1D7518X0132
12	UPPER WIPER	1 1J872906332	-----	-----

DOUBLE PACKING ARRANGEMENT

			16A1935	16A0844
		ARRANGEMENT	Q (3)	(4)
6	PACKING SET	2 1R290601012	-----	-----
7	PACKING RING	3 -----	-----	1U6768X0022
7	PACKING RING	4 -----	-----	1D7518X0132
12	UPPER WIPER	1 1J872906332	-----	-----

LEAKOFF PACKING ARRANGEMENT

				16A0845
		ARRANGEMENT	Q (5)	
7	PACKING RING	3 -----	-----	1U6768X0022
7	PACKING RING	4 -----	-----	1D7518X0132

FISHER CONTROLS

MATERIAL LIST

Orig: TC

Date: 2-15-79

Chkd: DCP

Apvd: HGR

Rev: E
By: HALM
EM No: EX18
Page: 1

5-10-91

FISHER CONTROLS COMPANY		BY	DATE	CHKD.	DATE	APVD.	DATE	REV	SUPERSEDES	SIZE	PAGE 2
ENG MASTER MTL LIST			2-15-79	DCP	2-15-79						EX18
ITEM C - PACKING PARTS			2-17-79	HC/L	2-17-79						EX18
<p>SINGLE PACKING ARRANGEMENT TFE</p> <p>316 SST</p> <p>Q (1)</p> <p>8 SPRING 1 1D582937012</p> <p>10 WASHER, SPECIAL 1 1H982236042</p> <p>11 PACKING BOX RING 1 1J873435072</p> <p>13 FOLLOWER 1 1H982335072</p> <p>SINGLE PACKING ARRANGEMENT GRAPHITE RIBBON & FILAMENT</p> <p>316 SST</p> <p>Q (2)</p> <p>8 LANTERN RING 2 1V702335072</p> <p>11 PACKING BOX RING 1 1J873435072</p> <p>13 FOLLOWER 1 1H982335072</p> <p>DOUBLE PACKING ARRANGEMENT TFE</p> <p>316 SST</p> <p>Q (3)</p> <p>8 LANTERN RING 1 15A8647X012</p> <p>11 PACKING BOX RING 1 1J873435072</p> <p>13 FOLLOWER 1 1H982335072</p> <p>DOUBLE PACKING ARRANGEMENT GRAPHITE RIBBON & FILAMENT</p> <p>LEAKOFF PACKING ARRANGEMENT GRAPHITE RIBBON & FILAMENT</p> <p>316 SST</p> <p>Q (4)</p> <p>8 LANTERN RING 1 16A2877X012</p> <p>11 PACKING BOX RING 1 1J873435072</p> <p>13 FOLLOWER 1 1H982335072</p>											
<p>TITLE DESIGN E STYLE NS BONNET</p> <p>5 IN BOSS, 1 IN STEM</p>											

FISHER CONTROLS COMPANY		BY	15 000 4 6-6-30		PAGE 3	
ENG MASTER MTL LIST		CHKD.	SEP 2-15-79	EX18		
		APVD.	16/12 2-17-79			
ITEM D - BONNET						
CL 600 DESIGN E						
LEAKOFF CONNECTIONS						
WITH TWO 1/2 IN SOCKET WELD NIPPLES						
3 INCH		Q	WCB STL	316 SST		
(1)		(1)	(2)			
1	BONNET	1	26A1914X012	26A1914X022		
CL 900 DESIGN EW						
LEAKOFF CONNECTIONS						
WITH ONE 1/2 IN NPT CONNECTION						
6 INCH		Q	WCB STL	316 SST		
(3)		(4)				
1	BONNET	1	36A1378X012	36A1378X022		
14	PIPE PLUG 1/2 NPT	1	1A369224492	1A369235072		
CL 900 DESIGN EWP STYLE NS						
LEAKOFF CONNECTIONS						
WITH ONE 3/8 IN SOCKET WELD CONNECTION						
6 INCH		Q	WCB STL			
(15)		(15)				
1	BONNET	1	35A6363X012			
TITLE DESIGN E STYLE NS BONNET						
5 IN BOSS, 1 IN STEM						
SUPERSEDES				REV	PAGE 3	
				B	EX18	

ITEM D - BONNET (CONT)

CL 1500 DESIGN E

NON TAPPED

		Q	WCB STL	316 SST
1	3 INCH BONNET	1	(5) 36A1930X012	(6) 36A1930X022
1	4 INCH BONNET	1	(7) 36A1910X012	(8) 36A1910X022
1	6 INCH BONNET	1	(9) 36A1916X012	(10) 36A1916X022

		Q	WCB STL	316 SST
1	3 INCH BONNET	1	(5) 36A1930X012	(6) 36A1930X022
1	4 INCH BONNET	1	(7) 36A1910X012	(8) 36A1910X022
1	6 INCH BONNET	1	(9) 36A1916X012	(10) 36A1916X022

		Q	WCB STL	316 SST
1	3 INCH BONNET	1	(5) 36A1930X012	(6) 36A1930X022
1	4 INCH BONNET	1	(7) 36A1910X012	(8) 36A1910X022
1	6 INCH BONNET	1	(9) 36A1916X012	(10) 36A1916X022

LEAKOFF CONNECTIONS

WITH ONE 1/2 IN NPT CONNECTION

	6 INCH	Q	WCB STL (11)	316 SST (12)
1	BONNET	1	36A1915X012	36A1915X022
1	PIPE PLUG	1/2 NPT	1A369224492	1A369235072

	6 INCH	Q	WCB STL (11)	316 SST (12)
1	BONNET	1	36A1915X012	36A1915X022
1	PIPE PLUG	1/2 NPT	1A369224492	1A369235072

WITH TWO 1/2 IN SOCKET WELD NIPPLES

1	4 INCH	Q	WCB STL	316 SST
		(13)		(14)
1	BONNET	1	26A1918X012	26A1918X022

ASSEMBLY DWG 16A0566