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PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL	PAGE NUMBER	REV LEVEL
0.1	K	1	H				
0.2	C	1.1	C				
A	D	2	C				
B	C	3	A				
		4	A				
		5	A				

C	E	F	L	N	U	YJ	YK	YR										
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COVER SHEET		(C) Copyright Fisher Controls, 1989, 1991	
Title: DESIGN E STYLE NS BONNET	Rev: K		
2 13/16 BOSS, 1/2 STEM	By: HALM 5-10-91		
Size: 1-4	EM No: EX16		
Orig: TC	Date: 12-13-78	Chkd: DCP	Apvd: FJL
	Page: 0.1		

TITLE	DESIGN E STYLE NS BONNET 2 13/16 BOSS, 1/2 STEM	SIZE	1-4"	BY	JLM	2-19-79
				CHKD.	FRP	2-19-79
				APVD.	FJL	2-19-79

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
316L	-425+850

ITEM D - BONNET

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

FISHER CONTROLS COMPANY PRODUCT RATING	B	FRP	4-9-81				REV	EM	PAGE 0.2 EX16
	C	TC	4-16-90				C		

TITLE	DESIGN E STYLE NS BONNET 2 13/16 BOSS, 1/2 STEM	SIZE	1-4"	BY	12-13-78
				CHKD.	12-20-78
				APVD.	12-14-78

ITEM A - PACKING FLANGE, STUDS & NUTS & LUBRICANT

	STEEL	316 SST
	A	A
	1	2

ITEM B - PACKING
ITEM C - PACKING PARTS

PACKING BOX SIZE 16A0510

DOUBLE PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT		TFE FMS 17D7	
PACKING				
ARRANGEMENT	14A1849		12A7814	
TRIM MATL	B	C	B	C
316 (STD)	1	1	3	6
316L	1	2	3	7

LEAKOFF PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT		TFE FMS 17D7	
PACKING				
ARRANGEMENT	14A2485		12A7813	
TRIM MATL	B	C	B	C
316 (STD)	2	1	6	6
316L	2	2	6	7

SINGLE PACKING ARRANGEMENT

	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT		TFE FMS 17D7	
PACKING				
ARRANGEMENT	13A9775		12A7811	
TRIM MATL	B	C	B	C
316 (STD)	5	4	4	3
316L	5	5	4	-

FISHER CONTROLS COMPANY
ORDER ENTRY MATRIX

B	12-26-78			
D	4-16-79			
D	4-16-90			

REV

D

EM

PAGE A

EX16

TITLE	DESIGN E STYLE NS BONNET 2 13/16 BOSS, 1/2 STEM	SIZE	1-4"	BY	12-13-78
				CHKD.	12-20-78
				APVD.	12-14-78

ITEM D - BONNET

CL 600

		PBS 16A0510			
		LEAKOFF CONNECTIONS			
		1/2 SOCKET WELD		1/2 NPT CONNECTION	
	NON-TAPPED	ONE NIPPLE	TWO NIPPLE	ONE CONNECT	TWO CONNECT
1 INCH	D	D	D	D	D
WCB STL	1	7	19	-	31
316 SST	2	8	20	-	32
1 1/2 INCH					
WCB STL	-	9	21	-	--
316 SST	-	10	22	-	--
2 INCH					
WCB STL	3	11	23	-	--
316 SST	4	12	24	-	--
2 1/2 INCH					
WCB STL	5	13	25	-	33
316 SST	6	14	26	-	34
3 INCH					
WCB STL	-	15	27	-	--
316 SST	-	16	28	-	--
4 INCH					
WCB STL	-	17	29	-	--
316 SST	-	18	30	-	--

PICK CODE COLUMN-
ITEM B TRIM-11
C TRIM-13
D TYPE-1,SIZE-5,MATL-7

EM EX16 - A B C D

FISHER CONTROLS COMPANY ORDER ENTRY MATRIX	B	FRP	2-19-79				REV	EM	PAGE B
	C	FRP	9-26-80				C		EX16

ITEM A - PACKING FLANGE,STUDS,NUTS & LUBRICANT

		STL	316 SST
		Q (1)	(2)
3	FLANGE	1 1E944223072	1F380335072
4	STUD	2 1E944431032	1E944435222
5	NUT	2 1E944524112	1E944535252
25	STUD BOLT	8 1A378831012	1A378831012
26	HEX NUT	8 1A3772X0022	1A3772X0022
34	LUBRICANT	- 1M5539X0012	1M5539X0012

ITEM B - PACKING

SINGLE PACKING ARRANGEMENT

			PTFE	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT
	ARRANGEMENT	Q	12A7811	13A9775
			(4)	(5)
6	PACKING SET	1	1R290201012	-----
7	PACKING RING	2	-----	1E3190X0222
7	PACKING RING	2	-----	1V3802X0022
12	UPPER WIPER	1	1J872706332	-----

DOUBLE PACKING ARRANGEMENT

			12A7814	14A1849
	ARRANGEMENT	Q	(3)	(1)
6	PACKING SET	2	1R290201012	-----
7	PACKING RING	4	-----	1E3190X0222
7	PACKING RING	3	-----	1V3802X0022
12	UPPER WIPER	1	1J872706332	-----

FISHER CONTROLS

MATERIAL LIST

Orig: TC Date: 12-13-78 Chkd: DCP Apvd:

Rev: H
By: HALM 5-10-91
EM No: EX16
Page: 1

ITEM B - PACKING (CONT)

LEAKOFF PACKING ARRANGEMENT

			PTFE	LOW CHLORIDE GRAPHITE RIBBON & FILAMENT
ARRANGEMENT			12A7813	14A2485
			Q (6)	(2)
6	PACKING SET	2	1R290201012	-----
7	PACKING RING	3	-----	1V3802X0022
7	PACKING RING	4	-----	1E3190X0222
12	UPPER WIPER	1	1J872706332	-----

FISHER CONTROLS

MATERIAL LIST

Orig: TC Date: 3-26-79 Chkd: DCP Apvd: FJL

Rev: C
By: HAIM 5-10-91
EM No: EX16
Page: 1.1



FISHER CONTROLS COMPANY

ENG MASTER MTL LIST

ITEM D - BONNET

CL 600

NON-TAPPED

		Q	WCB STL	316 SST
1	1 INCH BONNET	1	(1) 35A9971X032	(2) 35A9971X022
1	1 1/2 INCH BONNET	1	(3)	(4)
1	2 INCH BONNET	1	(5) 35A9972X012	(6) 35A9972X022
1	2 1/2 INCH BONNET	1	35A9973X032	35A9973X022
1	3 INCH BONNET	1		
1	4 INCH BONNET	1		
1	BONNET	1		

LEAKOFF CONNECTIONS

WITH ONE 1/2 IN SOCKET WELD NIPPLE

		Q	WCB STL	316 SST
1	1 INCH BONNET	1	(7) 26A0881X012	(8) 26A0881X022
1	1 1/2 INCH BONNET	1	(9) 26A0882X012	(10) 26A0882X022
1	2 INCH BONNET	1	(11) 26A0883X012	(12) 26A0883X022
1	2 1/2 INCH BONNET	1	(13) 26A0884X012	(14) 26A0884X022
1	3 INCH BONNET	1	(15) 26A0885X012	(16) 26A0885X022
1	4 INCH BONNET	1	(17) 26A0886X012	(18) 26A0886X022

TITLE	DESIGN E STYLE NS BONNET	2 13/16 BOSS 1/2 STEM

SUPERSEDES **REV** A

SIZE
1-4"

NEW

PAGE 3
EX16



FISHER CONTROLS COMPANY

ENG MASTER MTL LIST

BY

CHKD.

APVD.

12-20-78

12-14-78

EM

PAGE 4

EX16

ITEM D - BONNET (CONT)

LEAKOFF CONNECTIONS (CONT)

WITH TWO 1/2 IN SOCKET WELD NIPPLES

1

BONNET

1

Q

1

1 INCH

26A0887X012

26A0887X022

1

BONNET

1

1

1 1/2 INCH

26A0888X012

26A0888X022

1

BONNET

1

2

2 INCH

25A8518X032

25A8518X022

1

BONNET

1

2

1 1/2 INCH

26A0889X012

26A0889X022

1

BONNET

1

3

3 INCH

26A0890X012

26A0890X022

1

BONNET

1

4

4 INCH

26A0891X012

26A0891X022

WITH ONE 1/2 IN NPT CONNECTION

TITLE

DESIGN E STYLE NS BONNET

2 13/16 BOSS 1/2 STEM

SIZE

1-4"

SUPERSEDES

REV

A

EM

PAGE 4

EX16

FISHER CONTROLS COMPANY		BY	CHKD.		12-20-78		PAGE 5	
ENG MASTER MTL LIST		APVD.	FJL		12-14-78		EX16	
ITEM D - BONNET (CONT)								
LEAKOFF CONNECTIONS (CONT)								
WITH TWO 1/2 NPT CONNECTIONS								
	1 INCH	Q	WCB STL	316 SST				
1	BONNET	1	(31)	(32)				
14	PIPE PLUG 1/2 NPT	2	35A8519X012	35A8519X022				
	1 1/2 INCH		1A369224492	1A369235072				
1	BONNET	1						
14	PIPE PLUG 1/2 NPT	2						
	2 INCH							
1	BONNET	1						
14	PIPE PLUG 1/2 NPT	2						
	2 1/2 INCH		(33)	(34)				
1	BONNET	1	35A8520X012	35A8520X022				
14	PIPE PLUG 1/2 NPT	2	1A369224492	1A369235072				
	3 INCH							
1	BONNET	1						
14	PIPE PLUG 1/2 NPT	2						
	4 INCH							
1	BONNET	1						
14	PIPE PLUG 1/2 NPT	2						

ASSEMBLY DWG 16A0566