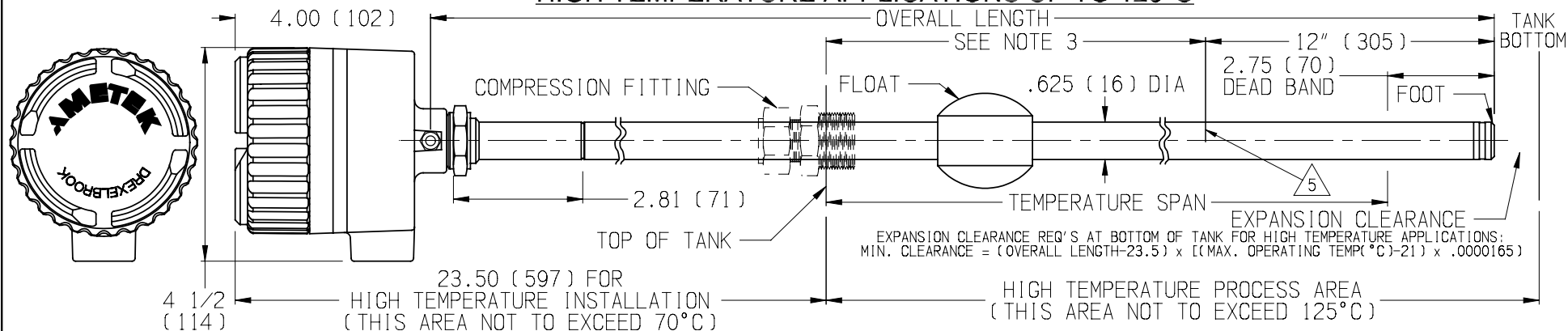
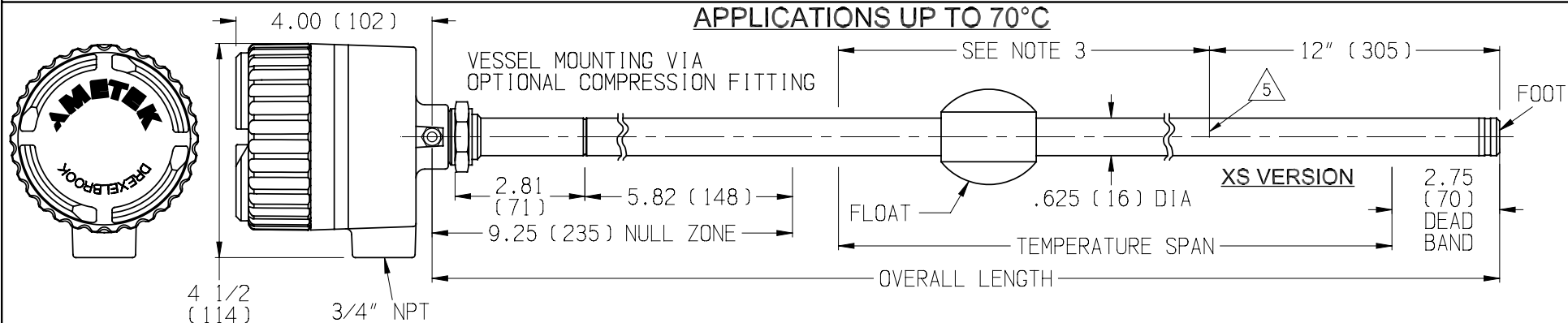


HIGH TEMPERATURE APPLICATIONS UP TO 125°C



APPLICATIONS UP TO 70°C



STANDARD PROBE LENGTHS:

TEMPERATURE SENSOR TYPE	MAXIMUM O.A.L. (in)	MINIMUM TEMP. SPAN (in)	MINIMUM O.A.L. (in) -40°C TO 70°C	MINIMUM O.A.L. (in) -40°C TO 125°C	FIRST TEMPERATURE SENSOR SPACING @ 21°C	REMAINDER TEMPERATURE SENSOR SPACING @ 21°C
R5	288	24	41	47	12" TO PROBE FOOT	(TEMP. SPAN - 9.25")/5
R1	288	10	29	33	12" TO PROBE FOOT	

NOTES:

- ALL DIMENSIONS ARE FOR REFERENCE ONLY.
- ENSURE MAGNET DOES NOT ENTER NULL ZONE AND DEAD BAND AREAS.
- REMAINING 4 TEMPERATURE SENSORS ARE SPACED EQUALLY OVER RANGE SPECIFIED.
- FOR FIVE TEMPERATURE SENSOR PROBES, SENSORS ARE NUMBERED R1 TO R5 WITH R1 BEING NEAREST TO THE FOOT OF THE PROBE AND R5 NEAREST TO ENCLOSURE.
- FIRST TEMPERATURE SENSOR LOCATION FOR R1 & R5.

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PO #						AMETEK DREXELBROOK
ENG						SCALE NONE
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)
		3	8-08-111	DWK	8-22-08	DR. JJS 8-19-08
		2	1-07-120	DWK	1-29-07	CK. CDW
		1	8-06-122	DWK	9-5-06	
DE #		ISS.	EDO/DSR NO.	APP'D	DATE	

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DM231 XS/XD
MOUNTING DIMENSIONS
AND WIRING

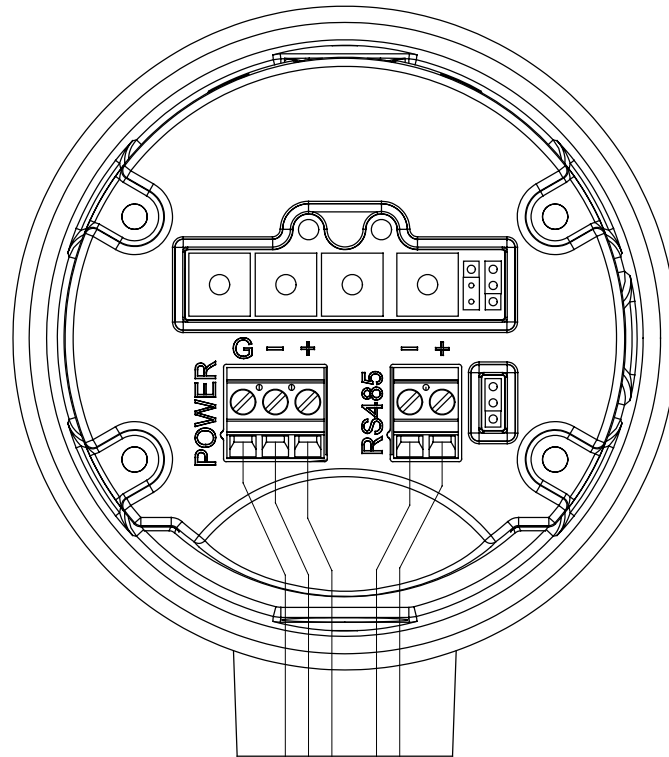
DM231-CD1

SHT. 1
OF 4

ISS. 3

No. DM231-CD1

SHT 1 OF 4



POWER 9-30 VDC ——— MOD BUS RTU/ASCII

CERTIFIED by _____
 PO # _____
 ENG _____
 USER _____

 DE # _____

3	8-08-111	DWK	8-22-08
2	1-07-120	DWK	1-29-07
1	8-06-122	DWK	9-5-06
ISS.	EDO/DSR NO.	APP'D	DATE

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DM231 XS/XD
 MOUNTING DIMENSIONS
 AND WIRING

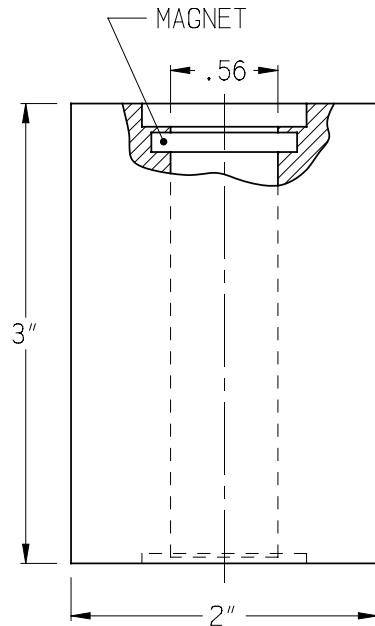
DM231-CD1

SHT. 2 OF 4
 OF 4
 ISS. 3

NO. DM231-CD1

SHT 2 OF 4

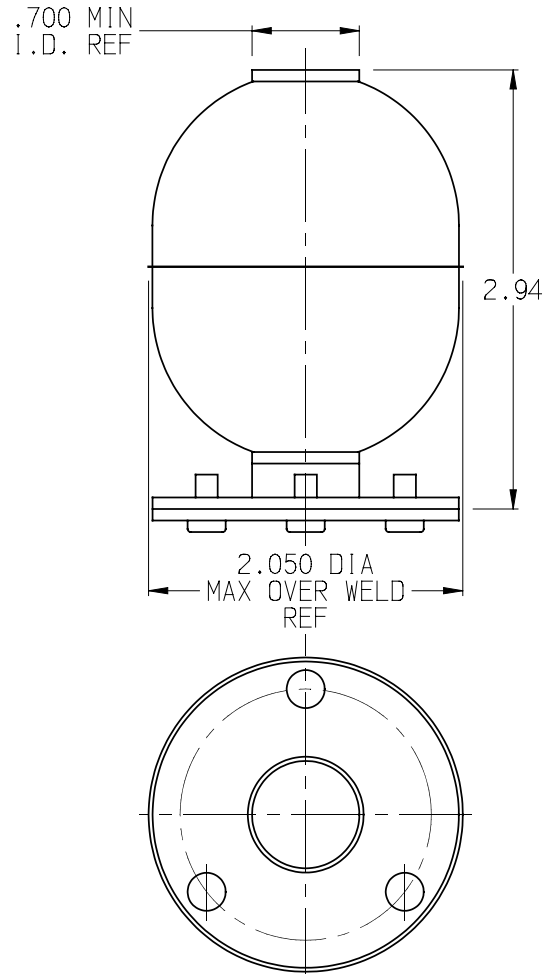
LEVEL FLOAT



SPECIFIC GRAVITY: 0.40
MAXIMUM PRESSURE: 300 psi
WETTED MATERIAL: NITROPHYL

P/N 04535095

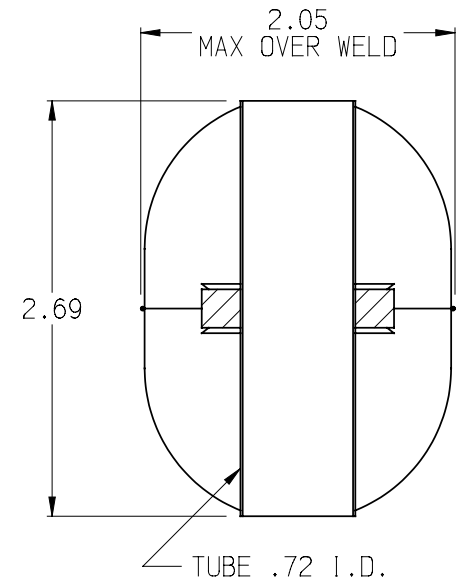
INTERFACE FLOAT



SPECIFIC GRAVITY: 0.96
MAXIMUM PRESSURE: 300 psi
WETTED MATERIAL: 316 SS

P/N SD0437901 & SD0556900

LEVEL FLOAT



SPECIFIC GRAVITY: 0.54
MAXIMUM PRESSURE: 300 psi
WETTED MATERIAL: 316 SS

P/N 14020002

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USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)
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		2	1-07-120	DWK	1-29-07	CK.
		1	8-06-122	DWK	9-5-06	
DE #		ISS.	EDO/DSR NO	APP'D	DATE	

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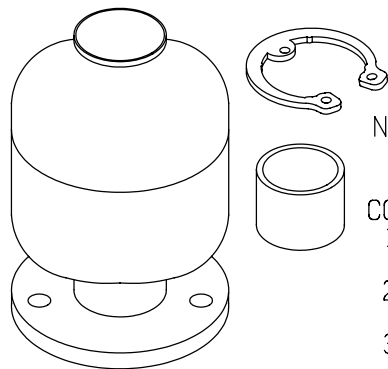
DM231 OPTIONAL FLOATS

DM231-CD1

SHT. 3 OF 4
ISS. 3

No. DM231-CD1

SHT 3 OF 4



INSTALLING THE SD0557300 INTERFACE LEVEL FLOAT KIT

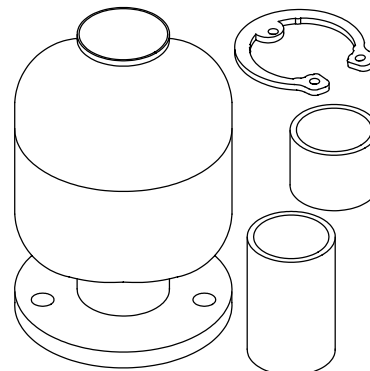
NOTE: FOR USE BELOW THE NITROPHYL
PRODUCT LEVEL FLOAT, P/N 04535095.

CONTENTS:

1. INTERFACE FLOAT: 316SS,
2.05" DIA, 0.96sg, P/N SD0437901
2. DEAD BAND FLOAT SPACER, 316SS,
0.88" LONG, P/N M0783408
3. FLOAT RETAINING E-CLIP, 316SS,
P/N 04564367

INSTALLATION PROCEDURE:

1. FIRST, SLIDE THE INTERFACE FLOAT ONTO THE PROBE WITH THE
BALLAST PLATES AT THE BOTTOM.
2. NEXT, SLIDE THE DEAD BAND FLOAT SPACER ONTO THE PROBE.
3. FINALLY, CAPTURE THE COMPONENTS ON THE PROBE WITH THE
FLOAT RETAINING E-CLIP. THE E-CLIP PRESSES INTO THE
GROOVE AT THE BOTTOM OF THE PROBE.



INSTALLING THE SD0556800 INTERFACE LEVEL FLOAT KIT

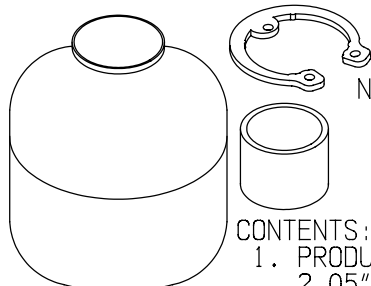
NOTE: FOR USE BELOW THE 316SS
PRODUCT LEVEL FLOAT, P/N 14020002.

CONTENTS:

1. INTERFACE FLOAT: 316SS,
2.05" DIA, 0.96sg, P/N SD0556900
2. DEAD BAND FLOAT SPACER, 316SS,
0.88" LONG, P/N M0783408
3. INTERPOSING FLOAT SPACER, PVDF,
1.30" LONG, P/N M0887600
4. FLOAT RETAINING E-CLIP, 316SS,
P/N 04564367

INSTALLATION PROCEDURE:

1. FIRST, SLIDE INTERPOSING FLOAT SPACER ONTO PROBE.
2. NEXT, SLIDE THE INTERFACE FLOAT ONTO THE PROBE WITH THE
BALLAST PLATES AT THE BOTTOM.
3. NOW, SLIDE THE DEAD BAND FLOAT SPACER ONTO THE PROBE.
4. FINALLY, CAPTURE THE COMPONENTS ON THE PROBE WITH THE
FLOAT RETAINING E-CLIP. THE E-CLIP PRESSES INTO THE
GROOVE AT THE BOTTOM OF THE PROBE.



INSTALLING THE SD0557200 INTERFACE LEVEL FLOAT KIT

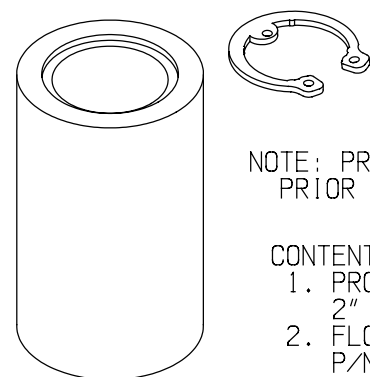
NOTE: PRODUCT LEVEL FLOAT MUST BE
INSTALLED PRIOR TO AN INTERFACE LEVEL
FLOAT. IF USING WITH AN INTERFACE
FLOAT DO NOT INSTALL THE FLOAT DEAD
BAND SPACER BELOW THE PRODUCT FLOAT.

CONTENTS:

1. PRODUCT FLOAT: 316SS,
2.05" DIA, 0.54sg, P/N 14020002
2. FLOAT DEAD BAND SPACER, 316SS,
1.22" LONG, P/N M0783409
3. FLOAT RETAINING E-CLIP, 316SS, P/N 04564367

INSTALLATION PROCEDURE:

1. FIRST, SLIDE FLOAT ONTO PROBE. ORIENTATION OF THE TOP
& BOTTOM OF THIS FLOAT IS NOT REQUIRED SINCE THE MAGNET IS
LOCATED IN THE MIDDLE OF THE FLOAT.
2. NEXT, SLIDE THE FLOAT SPACER ONTO THE PROBE.
3. FINALLY, CAPTURE THE COMPONENTS ON THE PROBE WITH THE
FLOAT RETAINING E-CLIP. THE E-CLIP PRESSES INTO THE
GROOVE AT THE BOTTOM OF THE PROBE.



INSTALLING THE SD0548600 PRODUCT LEVEL FLOAT KIT

NOTE: PRODUCT LEVEL FLOAT MUST BE INSTALLED
PRIOR TO AN INTERFACE LEVEL FLOAT.

CONTENTS:

1. PRODUCT FLOAT: NITROPHYL,
2" DIA x 3" H, 0.40sg, P/N 04535095
2. FLOAT RETAINING E-CLIP, 316SS,
P/N 04564367

INSTALLATION PROCEDURE:

1. FIRST, SLIDE FLOAT ONTO PROBE. ORIENT THE FLOAT SO THAT
THE FLOAT'S RING MAGNET IS AT THE TOP OF THE FLOAT.
2. FINALLY, CAPTURE THE COMPONENTS ON THE PROBE WITH THE
FLOAT RETAINING E-CLIP. THE E-CLIP PRESSES INTO THE
GROOVE AT THE BOTTOM OF THE PROBE.

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ENG						SCALE NONE
USER						UNLESS OTHERWISE STATED ALL DIMENSIONS IN INCHES (MM)
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		2	1-07-120	DWK	1-29-07	CK.
		1	8-06-122	DWK	9-5-06	
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INSTALLATION INSTRUCTIONS,
DM231 FLOATS

DM231-CD1

SHT. 4
OF 4

No. DM231-CD1

SHT. 4
OF 4