



# Fresenius Medical Care SERVICE BULLETIN

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Equipment: GranuFlo  
Bulletin: 08-GRN-001 Rev. A  
Subject: Revised Specific Gravity Range for Concentrates

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## 1.0 PURPOSE

To inform all Field Service and Technical Support personnel of changes in the specific gravity range table.

## 2.0 SCOPE

GranuFlo dry acid concentrates manufactured by FMCNA for use with the GranuFlo mixer.

## 3.0 CHANGES

- All specific gravity ranges have been revised and corrected to 25°C.
- A temperature correction factor has been provided.
- NP codes have been discontinued; specific gravities for NP code have been removed.
- New GranuFlo Dry Acid Concentrates 0FD2220-3B, 0FD2225-3B, and 0FD2325 are being added.

## 4.0 INSTRUCTIONS

Measure the specific gravity according to the instructions in the Operator's Manual.

Use the specific gravity tables in this Field Service Bulletin to determine if the mixed concentrate is ready for use.

On page 2 of this bulletin is the updated table of limits for all formulations.

Table 1 on page 2 will be incorporated into the operator's manuals for both the 99-gallon and 132-gallon dissolution systems.

If there are any questions regarding this bulletin, contact Fresenius Technical Support at 800-227-2572 x7003.

# Specific Gravity Ranges

All values are at 25°C (77°F)<sup>1</sup>

1000 SERIES 1:35.83 Proportioning		
Part #	Specific Gravity Range @ 25°C	
	Low	High
0FD1003-3B	1.146	1.160
0FD1008-3B	1.147	1.161
0FD1018-3B	1.128	1.142
0FD1029-3B	1.146	1.160
0FD1041-3B	1.145	1.159
0FD1042-3B	1.145	1.160
0FD1052-3B	1.147	1.162
0FD1062-3B	1.149	1.164
0FD1067-3B	1.146	1.160

2400 SERIES 1:44 Proportioning		
Part #	Specific Gravity Range @ 25°C	
	Low	High
0FD2220-3B	1.192	1.206
0FD2223-3B	1.192	1.207
0FD2225-3B	1.193	1.207
0FD2323-3B	1.194	1.208
0FD2325-3B	1.195	1.209
0FD2401-3B	1.207	1.222
0FD2418-3B	1.205	1.219
0FD2419-3B	1.206	1.221
0FD2426-3B	1.208	1.222
0FD2441-3B	1.206	1.220
0FD2467-3B	1.206	1.220
0FD2469-3B	1.208	1.222

3000 SERIES 1:34 Proportioning		
Part #	Specific Gravity Range @ 25°C	
	Low	High
0FD3007-3B	1.167	1.181
0FD3013-3B	1.165	1.179
0FD3018-3B	1.166	1.180
0FD3026-3B	1.167	1.182

**Table 1**

<sup>1</sup> The correction factor is 0.001 for every 2°C. If the fluid being measure is below 25°, subtract the correction; if the fluid is above 25°C, add the correction.