

Nation
Pizza
Products®



601 East Algonquin Road
Schaumburg, IL 60173

August 21, 2009

Glen B. Schrot
H. A. Phillips & Company
1612 Louise Drive
South Elgin, IL 60177

Glen,

Thanks for your recommendation to install an anhydrator on our ammonia system to remove the water. I had never seen one in operation and was unsure if it would really work. We purchased and installed one of H.A. Phillips anhydrators on a 14 year old ammonia system with 7000ppm of water in the system. Within the first three days of operation the anydrator removed five gallons of water from the system and over the next three weeks it pulled out another five gallons of water. I am impressed with the way the anhydrator performed for us and we have plans on installing another anhydrator on our other ammonia system.

Sincerely,

Paul E. Kruk.

Paul Kruk
Mechanical System supervisor

2491 N. Milwaukee Avenue
Chicago, IL 60647
Ph. 773.782.3300
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Schaumburg, IL 60173
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Waterman, IL 60556
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Steve Yagla

From: D J Mody [ersincaz@aol.com]
Sent: Sunday, July 13, 2008 9:59 AM
To: steve.y@haphillips.com
Subject: Anhydrator
Attachments: Anhydrator on Recirc_Vessel_ET3.pdf

Steve:

You may be interested in this. If you need a photograph of this installation then please let me know. Of course you would have to buy me lunch for going through to Mexico and taking a photograph of the installation.

Dhiren,

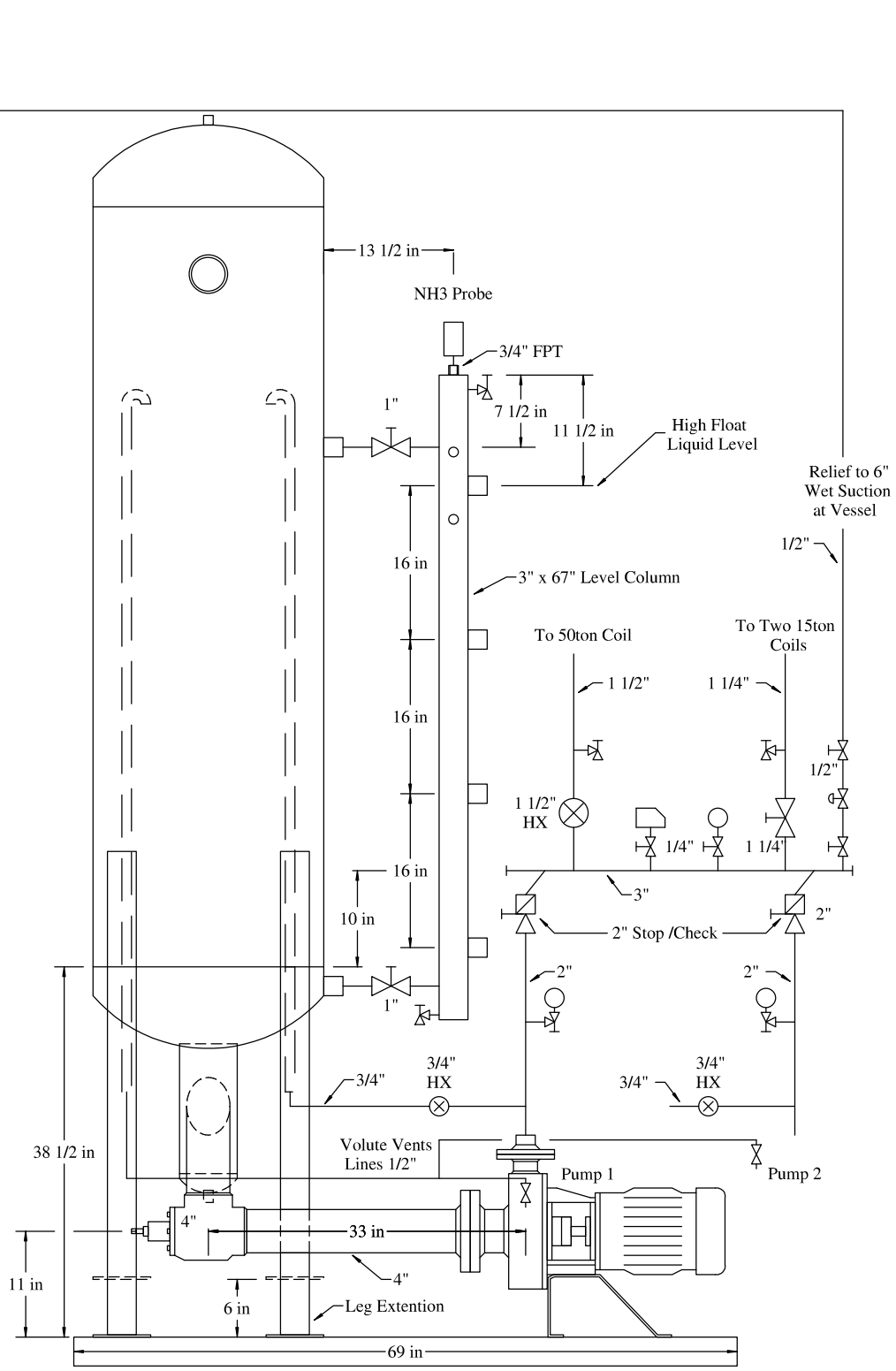
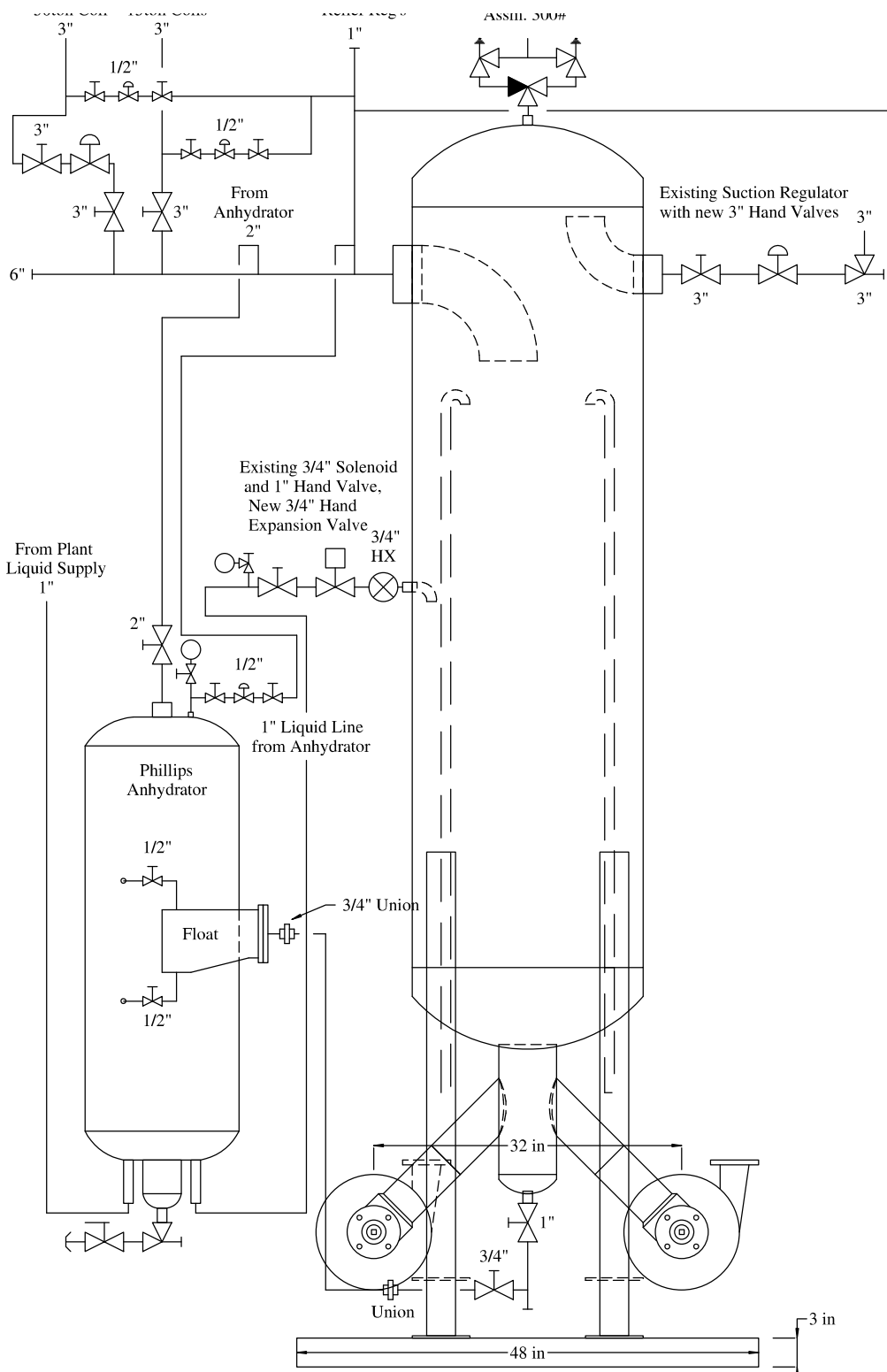
Attached is a drawing of the Anhydrator that we installed at our Plant in Mexico in order to deal with the poor NH₃ quality there, all that is available at that location is Ag Grade NH₃ which is 82%. I chose to install the Anhydrator in a Liquid Recirc System that is tied to the Common Plant Refrigeration so that all of our NH₃ gets cycled through it over time. For the first 3 months of operation we drained the unit every two weeks and netted approximately three gallons water the first time it was drained, this tapered off over the next three months to 1/2 gallon on the sixth draining, we are now draining the Anhydrator once a month and still dumping water. I have seen a reduction in our operating temperatures and pressures, and we have had less trouble with liquid flow through TXV Valves on our DX Coils.

Let me know if this helps you.

Paul

Paul Valencik
Facilities Manager
Fresh Innovations

Dhiren Mody
Engineered Refrigeration Supplies, Inc.
P O Box 1341. Mesa. AZ. 85211-1341. USA.
Ph: 480-962-4129. Cell 602-432-5656



Relief to 6\" Wet Suction at Vessel

1/2\"

3\" x 67\" Level Column

16 in

16 in

16 in

16 in

10 in

1\"

3/4\"

2\"

2\"

2\"

3/4\" HX

3/4\"

2\"

2\"

3/4\" HX

3/4\"

2\"

2\"

1 1/4\"

1 1/4\"

1 1/2\"

1 1/2\"

7 1/2 in

11 1/2 in

3/4\" FPT

NH3 Probe

13 1/2 in

3\"

3\"

1/2\"

From Plant Liquid Supply

1\"

2\"

1/2\"

1/2\"

3/4\"

1\"

1/2\"

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