

Orifice Meter CM3215 - Fall 2011

Station	Names	Flow rate (gpm) vs ΔP (psi)	Time/ Section
1	Amna Zahid Caroline Munkelbige	$-.257(\Delta P)^2 + .5409(\Delta P) + .7552 = Q$	9A
2	Chris Shockness Conner Gregg	$-.1275(\Delta P)^2 + .8586(\Delta P) + .5037 = Q$	9A
3	Cory Schefer Scott Kemppainen	$-.127(\Delta P)^2 + 1.1053(\Delta P) + 0.4067 = \text{gpm}$	9A
4	Stephanie Stevens Long Zhang	$Q = -.0772(\Delta P)^2 + .7393(\Delta P) + .6459$	9A
5	Jeff Kellogg Brian Ricchi	$(\text{m/s}) Q = .0263(\Delta P) + .0495$	9A
6	Neeraj Chouhan	$Q = .31698(\Delta P) + 1.071$	9A
7	Brian Kaufman Nicolas Pope	$Q = .4909(\Delta P) + .858$	9A
8	Katrina Swenson Timothy Rossetto	$.5223(\Delta P) + .7518 = Q$	9A
9	Greg Hyrkas Kyle Lepeak	$-.003(\Delta P)^2 + .0384(\Delta P) - .0114$	9A
10	Amber Johnson Jeff Graves	$.467(\Delta P) + .556 = Q$	9A

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Station	Names	Flow rate (gpm) vs ΔP (psi)	Time/ Section
1	Peter Heinonen Michelle Chioldi	$Q = -.0257(\Delta P)^2 + .5409(\Delta P) + .7552$	9B
2	Paul Haganone Alexander Hegner	$-.0053(I)^2 + .2342(I) - .4958$	9B
3	Zachary Tenchetti- Abrams Alexander Chly	$.1052 Q - 1.6652 = \Delta P$	9B
4	Henry Eckert Shane Kelling	$\Delta P = .236(I) - 1.127$	9B
5	Adam Moritz Alexander Bray	$.2362(I) + .9058 = Q$	9B
6	Nicholas Schroeder James Podges	$Q = .5351(I(mA)) + .7342$	9B
7	Kelsey Maijels Brian Howard	$.0054(I(mA))^2 + .2314(I) - .4325 = Q$	9B
8	James Siferskie Ben Clemmer	$Q = .118(I(mA)) + .272$	9B
9	Stephen Doemer Jeff Casperly	$-.0698(\Delta P)^2 + .7137(\Delta P) + .3953$	9B
10	Nicholas Phelan Ben Markel	$2.118 Q - 1.1289 = \Delta P$	9B

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1	Courtney David Carissa Lindeman	$-.0053(I)^2 + .2342(I) - .4958$ $= Q$	1A
2	Mark Preston Kelly-Anne Zayen	$-.0669(I)^2 + .72(I) + .6748$ $= Q$	1A
3	Alexander Reese Zachary Newmeyer	$-.127(\Delta P)^2 + 1.1053(\Delta P)$ $+ .4067 = 0$	1A
4	Chris Lebond Ellesse Bess	$Q = -.060(\Delta P)^2 + .669(Q)$ $+ .705$	1A
5	Hill Paddock Morgan Parr	$.4852 \Delta P + .6776 = Q$	1A
6	Chris Bush Tyler Gysji	$.1452(I) + .0016 = Q$	1A
7	Tristan Frischholz- McKay Ian Geffney	$-.0039(I)^2 + .2125(I) -$ $.2367 = Q$	1A
8	Samantha Armstrong Joshua Patton	$-.0785(\Delta P)^2 + .7976(\Delta P)$ $+ .566 = 0$	1A
9	Jordan Meyers David Malton	$.1511(\Delta P) + .1469 = Q$	1A
10	Ainslie Muller Krista Lindquist	$-.1316(\Delta P)^2 + .9407(\Delta P) + .2706$ $= Q$	1A

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1	Patrick Sommers Carlos Proclo	$.1121(I) + .2475 = Q$ (mA)	1B
2	Jacob Forbes Joshua Kurdziel	$.4939(\Delta P) + .7367 = Q$	1B
3	Lindsay Seefeldt Alexander Samolenski	$.5812 \Delta P + .5553 = Q$	1B
4	Mitchell Redman Robert Parker	$-.0388(\Delta P)^2 + .5988(\Delta P)$ $+ .7394 = Q$	1B
5	Kevin Osentoski Erik Drake	$.4825(\Delta P) + .6776 = Q$	1B
6	Ethan Hleydemeyer Kenny King	$-.0702(\Delta P)^2 + .7587(\Delta P)$ $+ .5223 = Q$	1B
7	Dillon Verhaeghe Leandra Londo	$.540(\Delta P) + .806 = Q$	1B
8	Tom Schneider Christina Basso	$.117(I) + .295 = Q$	1B
9	Tyler Boyea Mackenzie Regner	$-.0053 I^2 + .2342(I)$ $-.4958 = Q$	1B
10	Kimberly Hammer Ryan Barrette	$Q = .4802(\Delta P) + .6439$	1B