

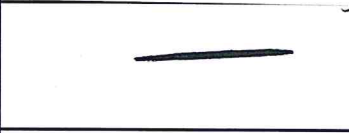



Orifice flow meter versus psi CM3215 Fall 2015

Station	Names	Q(gpm) vs Δp (psi)	Time/ Section
1			9A
2	Nick Carlson Brian Bartell	$Q(gpm) = 0.2527(\Delta P, psi) + 1.5769$	9A
3	Caleb Korson Richie Louys	$Q(gpm) = 1.1983\sqrt{\frac{\Delta P}{psi}} + 0.320$	9A
4	Amber Tobojek Ben Southgate	$Q(gpm) = 0.28194(\psi) + 1.1278$	9A
5	Lifan Zhou	$Q(gpm) = 0.2369\Delta P(\psi) + 1.1186$	9A
6	Brandon Ballard Michael Bakowski	$Q(gpm) = 0.303\Delta P(\psi) + 1.215$	9A
7	Kiersten Johnson	$Q(gpm) = 1.0829\sqrt{\Delta P(\psi)} + 0.2396$	9A
9			9A
8	Jimmy Krueger Nicole Field	$Q(gpm) = 1.2913(\sqrt{\psi}) - 0.1683$	9A
10	Derek Ballou Austin Conn	$Q(gpm) = 1.04\sqrt{P}(\sqrt{\psi}) + 0.44gpm$	9A



Orifice flow meter versus psi CM3215 Fall 2015







Station	Names	Q(gpm) vs Δp (psi)	Time/ Section
1	Mike Oates Andrew Hubbel	$Q(\text{gpm}) = 1.2376 \sqrt{\Delta P(\text{psi})} + 0.0516$	9B
2	Jakob Nowicki Ryan OShe	$Q = 1.2409 \sqrt{\Delta P(\text{psi})} + 0.0786$	9B
3	Robert Simone Kris Seelman	$Q(\text{gpm}) = 0.3527 \sqrt{\Delta P(\text{psi})} - 0.0402$	9B
4	Brandon Talaska Melissa Standing	$Q = -0.0119(\Delta P)^2 + 0.4192(\Delta P) + 1.0089$	9B
9	—	—	9B
6	Blake Fischer Mark Gibson	$Q(\text{gpm}) = 0.6502 \Delta P(\text{psi}) + 0.6285$	9B
7	Hannah Townsend Aaron Kreig	$Q = 0.1872(\Delta P) + 1.455$	9B
8	—	—	9B
5	Devin Wickman Jeremy Berger	$Q = .2718(\Delta P) + 1.1357$	9B
10	Julia Zayan Ethan Nagy	$Q = 1.053 \sqrt{\Delta P(\text{psi})} + 0.1842$	9B

AW

Orifice flow meter versus psi CM3215 Fall 2015

Station	Names	Q(gpm) vs Δp (psi)	Time/Section
1			1A
2	Missie Hildebrandt Alex Gietek	$Q(gpm) = 0.2411(\Delta P, \text{psi}) + 1.7485$	1A
3	Richard Hubert James Horner	$Q(gpm) = 0.4361(\Delta P, \text{psi}) + 0.955$	1A
4	Jeanette Kussow Whitney Niedzielski	$Q(gpm) = (0.0759 \pm 0.005)\sqrt{\text{psi}} + (1.0363 \pm 0.1)$	1A
5	Kane Rasner Caroline Spezia		1A
6	Samantha Wilczewski Travis Wigstrom	$Q(gpm) = 1.2155(\sqrt{\text{psi}}) + 0.3345$	1A
7	Beth Herz Jesse Pagel	$Q(gpm) = 1.3933\sqrt{\Delta P}(\sqrt{\text{psi}}) - 0.254$	1A
9			1A
8	Allison Schnobrich Matt Moreman	$Q(gpm) = 1.131\sqrt{P(\text{psi})} + 0.018$	1A
10	Chris Blevins Mark Malocha	$Q(gpm) = 1.3154\sqrt{\Delta P}(\sqrt{\text{psi}}) - 0.1993$	1A

Orifice flow meter versus psi CM3215 Fall 2015

Station	Names	Q(gpm) vs Δp (psi)	Time/ Section
1			1B
2	Abach Brilke Michael Alexson		1B
3	Thao Duong Xi Chen	$Q(gpm) = 1.16 \sqrt{\Delta P(psi)} + 0.16$	1B
4			1B
5	Sarah Pudas Eric Schmidt	$Q(gpm) = 1.2306 \sqrt{\Delta P(psi)} - 0.158$	1B
6	Mike Tuski Austin Weick	$Q(gpm) = 1.11 \sqrt{P(psi)} - 0.280$	1B
7	Nate Blaszak Daniel Kulas	$Q(gpm) = 1.34 \sqrt{\Delta p(psi)} + 0.02$	1B
8	Jennifer Lentner Erin Knoeck	$Q(gpm) = 0.308 \sqrt{P(psi)} + 1.05$	1B
9			1B
10	Michael Archambo Danielle Alexander	$1.2598(psi) - 0.3332$	1B

Orifice flow meter versus psi CM3215 Fall 2015

Station	Names	Q(gpm) vs Δp (psi)	Time/ Section
1			3A
2	Mark DeFouw Ben Gresko	$Q(gpm) = -0.0629(\sqrt{psi})^2 + 1.5671(\sqrt{psi})$ -3708	3A
3	Chris Glazier Tyler Hammond	$Q(gpm) = 0.1985(psi) + 1.9361$	3A
4	Sam Kane Gabriel Hartman	$Q(gpm) = 1.187\sqrt{\Delta P(psi)} + 0.1339$	3A
5	Ej Neubert Sheldon Ritt	$Q(gpm) = 1.1343\sqrt{\Delta P(psi)} + 0.0912$	3A
6	Ryan Smith Guy Smith	$P(PSI) = -5486 Q^2 + .0389 Q - .1143$	3A
7	Nate Hexline Steven Kabin	$Q(gpm) = 0.7524(\sqrt{P}) + 0.0652$	3A
8	Katie Smeberg Abbie Payne	$Q(gpm) = 0.7179(\sqrt{psi}) + 0.0803$	3A
9	Joel VanLanen JOSEPH PETERSON	$Q(gpm) = 1.1819\sqrt{psi} - 0.0421$	3A
10	David Van Bergen Joel Nechard	$Q(gpm) = 1.1107\sqrt{psi} + 0.1053(gpm)$	3A