

Control Instrumentation Emissions Comparison

12/12/2016



Item	Becker / GE Designation	SS ³ Emissions (scfh)	End Travel Emissions (scfh)	Discharge Pressure System ²	VRG Designation	SS ³ Emissions (scfh)	End Travel Emissions ² (scfh)	Discharge Pressure System ² (scfh)	Difference SS ³ Emissions (scfh)
1	VRP-5C "Classic"	100	0	YES	VPC-DA-SN	20	0	YES	-80
2	VRP-CH ¹	100	0	YES	VPC-DA-SN	20	0	YES	-80
3	VRP-B-CH ¹	10	0	NR	VPC-DA-BV	10	0	NR	0
4	VRP-SB-CH	0	0	YES	VPC-SA-BV	0	0	YES	0
5	VRP-SB-PID	0	0	NR	VPC-SA-BV-ID	0	0	NR	0
6	VRP-SB-GAP	0	0	YES	VPC-SA-BV-GAP	0	0	YES	0
7	HPP-2 ¹	100	0	YES	VGP-DA-SN ¹	20	0	YES	-80
8	HPP-3 ¹	10	0	NR	VGP-DA-BV ¹	10	0	NR	0
9	HPP-4 ¹	100	0	YES	VGP-DA-SN ¹	20	0	YES	-80
10	HPP-5 ¹	10	0	NR	VGP-DA-BV ¹	10	0	NR	0
11	HPP-SB	0	0	YES	VGP-SA-BV	0	0	YES	0
12	EFP	0	0	YES	RCVC	0	0	YES	0
13	DNGP	0	0	YES	RCVC	0	0	YES	0
12	EFP	0	0	YES	PMV D3G	0	0	NO	0
13	DNGP	0	0	YES	PMV D3G	0	0	NO	0

Notes:

- 1 - These double acting control instrumentation require additional device to render ZERO emissions at end of valve travel (Full Open / Full Closed)
- 2 - Maximum Discharge System Pressure = 300 psig for both VRG and Becker. Becker will operate slower than VRG at high discharge pressure.
- 3 - SS = STEADY STATE EMISSIONS
- 4 - NR - Not Recommended