oventrop

"Hydrocontrol" calibrated balancing valve
flow specifications

"Hydrocontrol R"

"Hydrocontrol F"

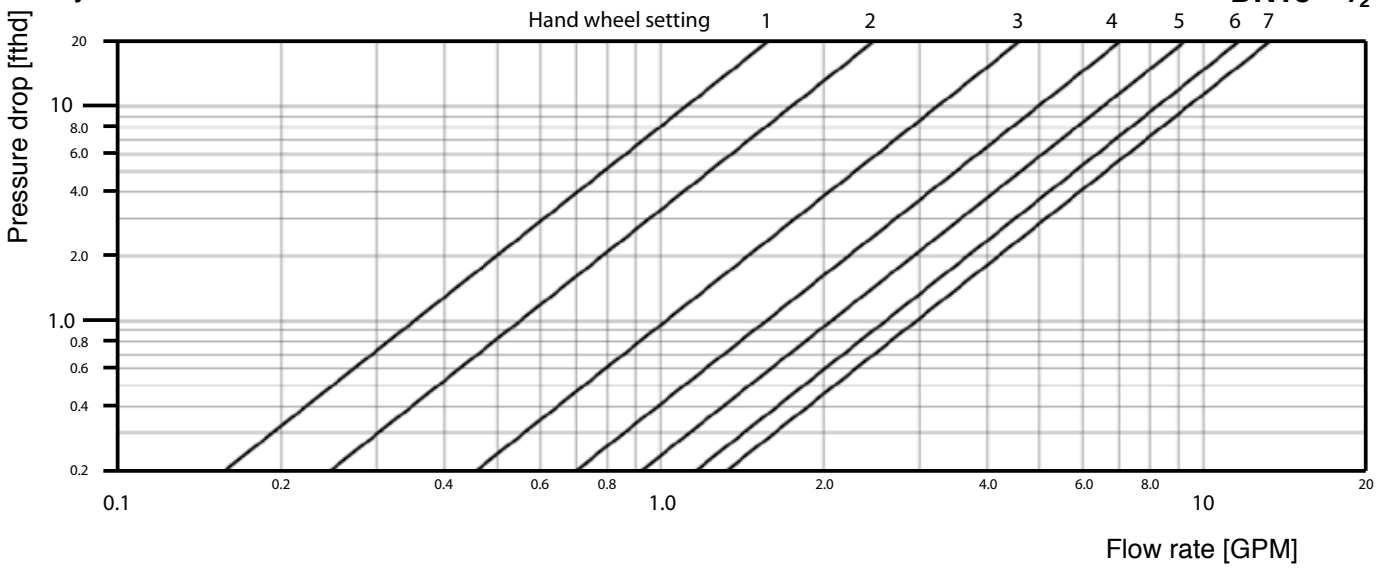
"Hydrocontrol G"

NPT Connection	Solder Connection	DN	Size	Absolute Minimum Flow	Nominal Minimum Flow	Nominal Maximum Flow	Absolute Maximum Flow
				GPM			
106 10 04	106 05 51	15	1/2"	0.2	2.6	4.2	13.3
106 10 06	106 05 52	20	3/4"	0.3	3.4	6.2	19.5
106 10 08	106 05 53	25	1"	0.4	6.2	9.6	30.4
106 10 10	106 05 54	32	1 1/4"	0.4	9.4	21.0	66.6
106 10 12	106 05 55	40	1 1/2"	0.9	14.9	29.8	94.1
106 10 16	106 05 56	50	2"	2.1	22.4	42.0	132.7
Groove Connection	Flange Connection	DN	Size	Absolute Minimum Flow	Nominal Minimum Flow	Nominal Maximum Flow	Absolute Maximum Flow
				GPM			
-	106 29 46	20	3/4"	0.1	2.2	5.2	16.3
-	106 29 47	25	1"	0.4	5.1	9.1	28.7
-	106 29 48	32	1 1/4"	0.3	8.1	18.5	58.4
-	106 29 49	40	1 1/2"	0.7	12.3	29.1	92.0
-	106 29 50	50	2"	2.5	19.8	39.0	123.2
106 30 51	106 29 51	65	2 1/2"	1.5	38.9	106.0	335.3
106 30 52	106 29 52	80	3"	1.8	59.7	132.2	418.1
106 30 53	106 29 53	100	4"	2.6	100.6	217.5	687.7
106 30 54	106 29 54	125	5"	4.2	112.0	317.0	1002.5
106 30 55	160 29 55	150	6"	4.3	220.3	437.4	1383.3
106 30 56	106 29 56	200	8"	38.3	222.9	881.3	2786.8
106 30 57	106 29 57	250	10"	53.6	292.1	1298.4	4105.7
106 30 58	106 29 58	300	12"	153.0	616.7	1731.1	5474.3

The nominal ranges of the valves are based on the flow rates of the valves at a pressure drop of 2 [fthd] across the valve. The upper limit is set with the valve wide open and the lower limit is chosen so that any measurement taken at the valve will have a tolerance of no greater than +/- 5%. If the flow rate desired falls within the range of two different size valves, chose the smaller of the two valves. The absolute minimum is calculated assuming a pressure drop across the valve of 1 [fthd] with the valve set at the lowest pre-setting. The absolute maximum is calculated assuming a pressure drop across the valve of 20 [fthd] with the valve wide open.

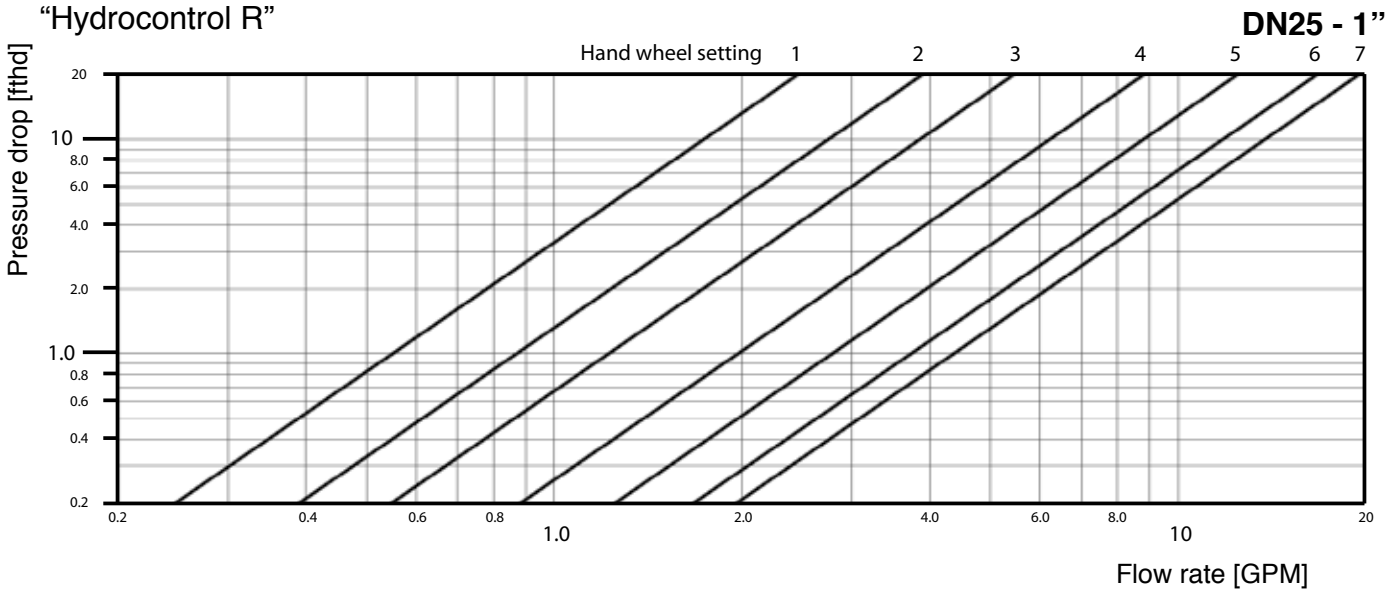
“Hydrocontrol R”

DN15 - ½”



“Hydrocontrol R”

DN25 - 1”



“Hydrocontrol R”

DN20 - ¾”

“Hydrocontrol R”

DN32 - 1¼”

"Hydrocontrol R"

DN40 - 1½"

"Hydrocontrol R"

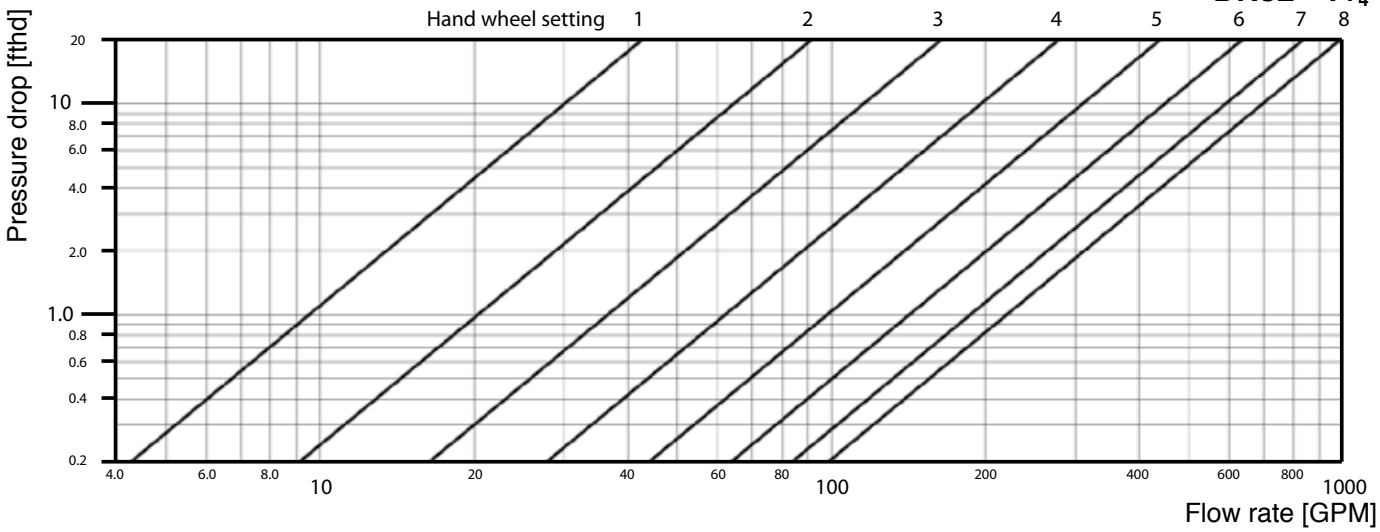
DN50 - 2"

“Hydrocontrol F”

DN20 - ¾”

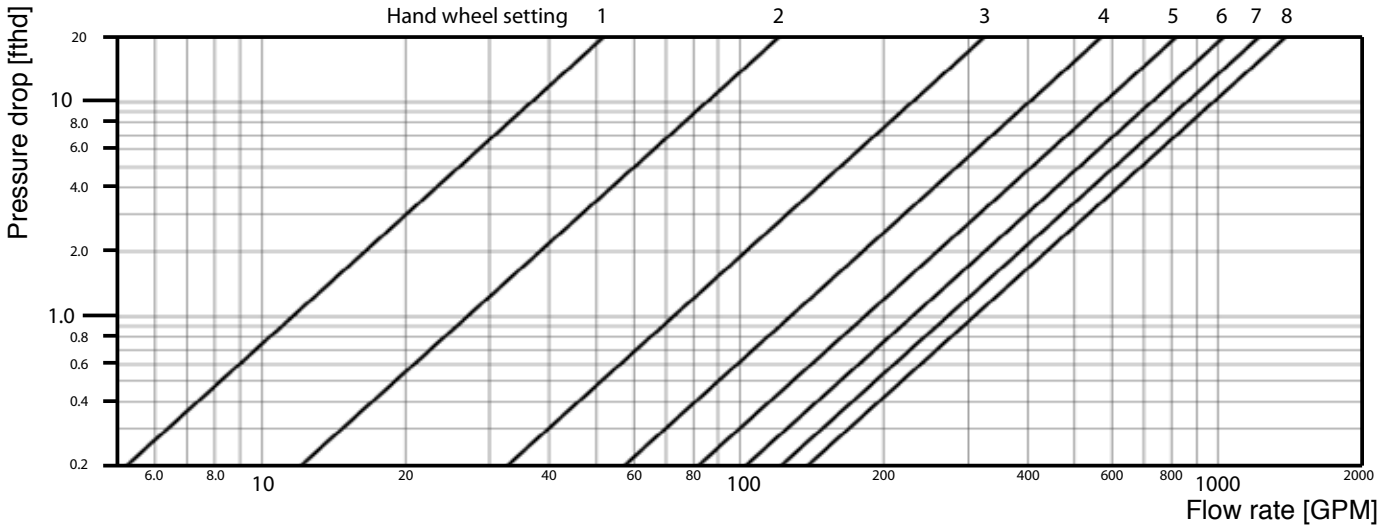
“Hydrocontrol F”

DN32 - 1¼”



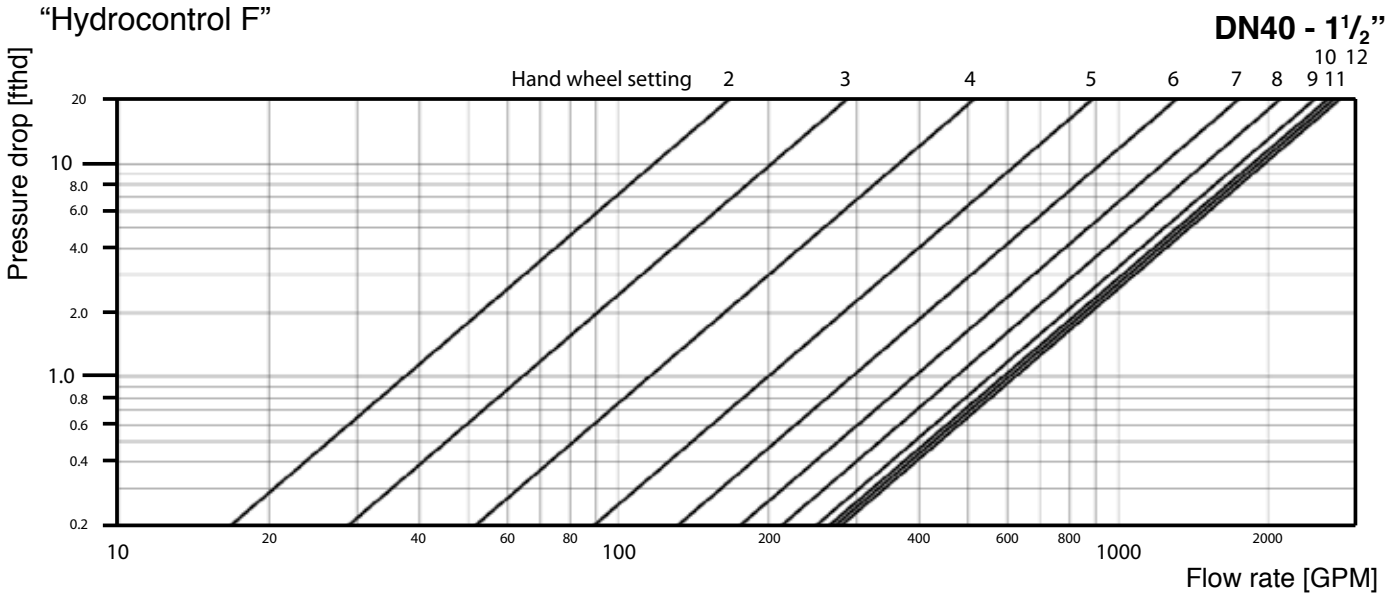
"Hydrocontrol F"

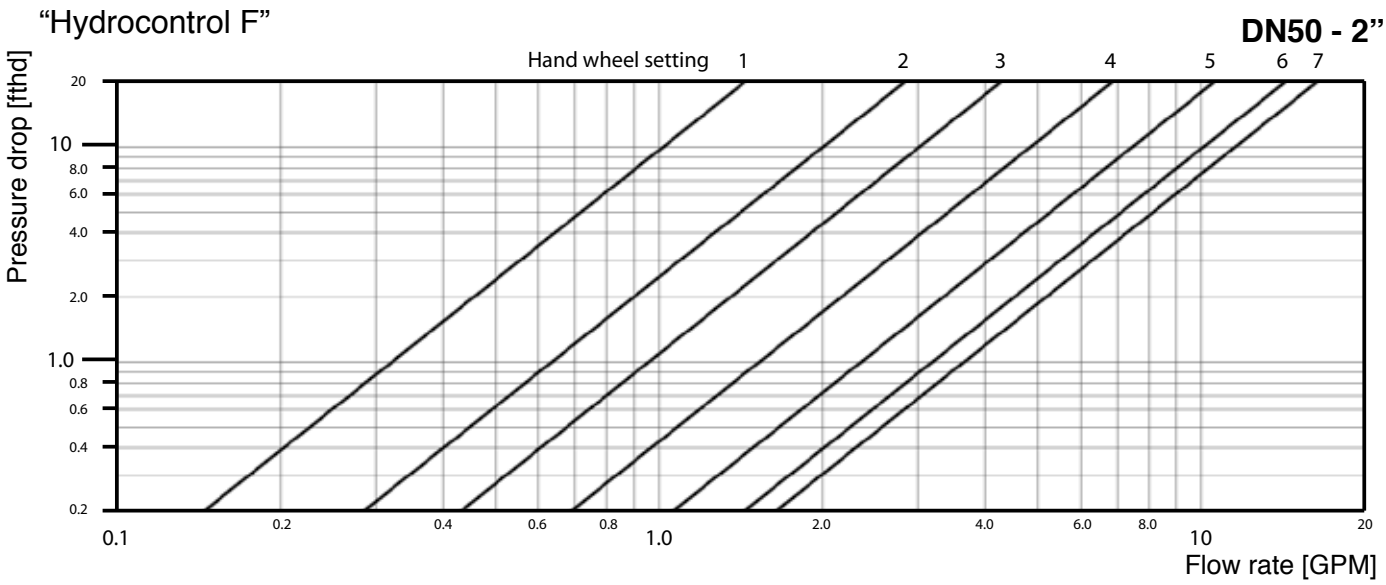
DN25 - 1"



"Hydrocontrol F"

DN40 - 1½"




“Hydrocontrol F”
DN50 - 2”
Hand wheel setting 1 2 3 4 5 6 7
Pressure drop [fthd]
20
10
8.0
6.0
4.0
2.0
1.0
0.8
0.6
0.4
0.2
0.1 0.2 0.4 0.6 0.8 1.0 2.0 4.0 6.0 8.0 10 20
Flow rate [GPM]

"Hydrocontrol F" and "G"

DN65 - 2½"

"Hydrocontrol F" and "G"

DN80 - 3"

“Hydrocontrol F” and “G”

DN100 - 4”

“Hydrocontrol F” and “G”

DN125 - 5”

"Hydrocontrol F" and "G"

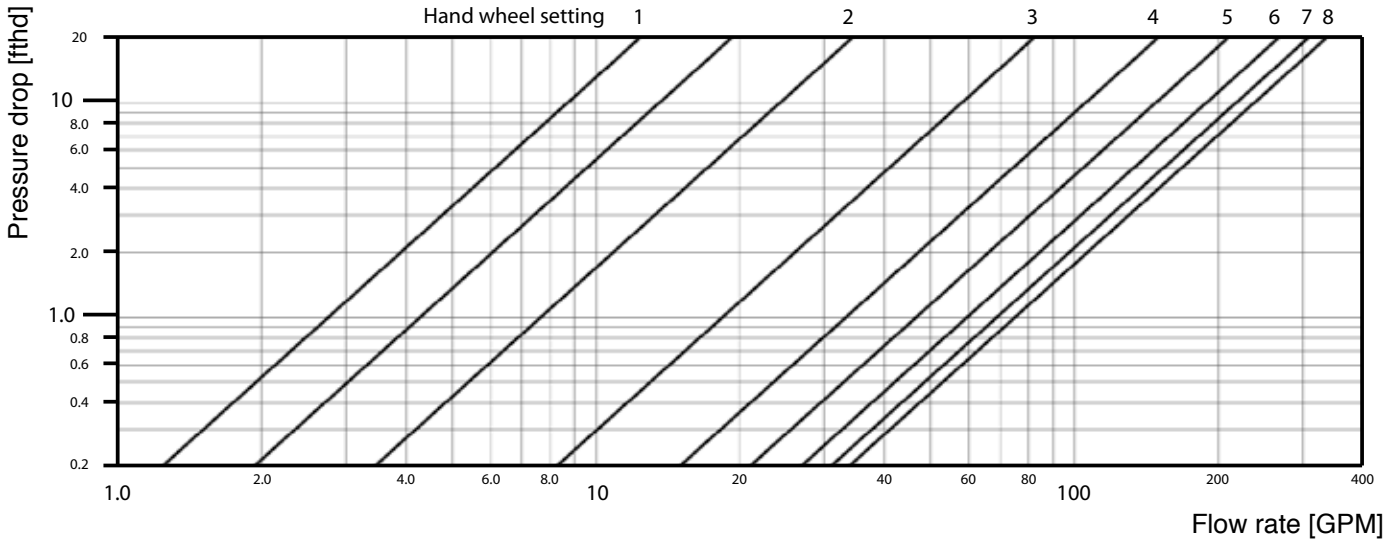
DN150 - 6"

"Hydrocontrol F" and "G"

DN200 - 8"

“Hydrocontrol F” and “G”

DN250 - 10”



“Hydrocontrol F” and “G”

DN300 - 12”