



PVE Head loss charts



MaxClean
Part: 611-0029
Rev: 02/14/20
Model: PVE-1-NC-1.5AT-1
01/2014
Max. Air Pressure
1.5 bar / 21.7 PSI
Max. Air Flow
1.5 m³ / 53.8 PSI
Max. Operating pressure
10 bar
Caution: Do Not Disassemble
EGMO
Assembly Part: 611-0029
Assembly Job: 0214161
NC



Semiconductor



Bio-Pharm



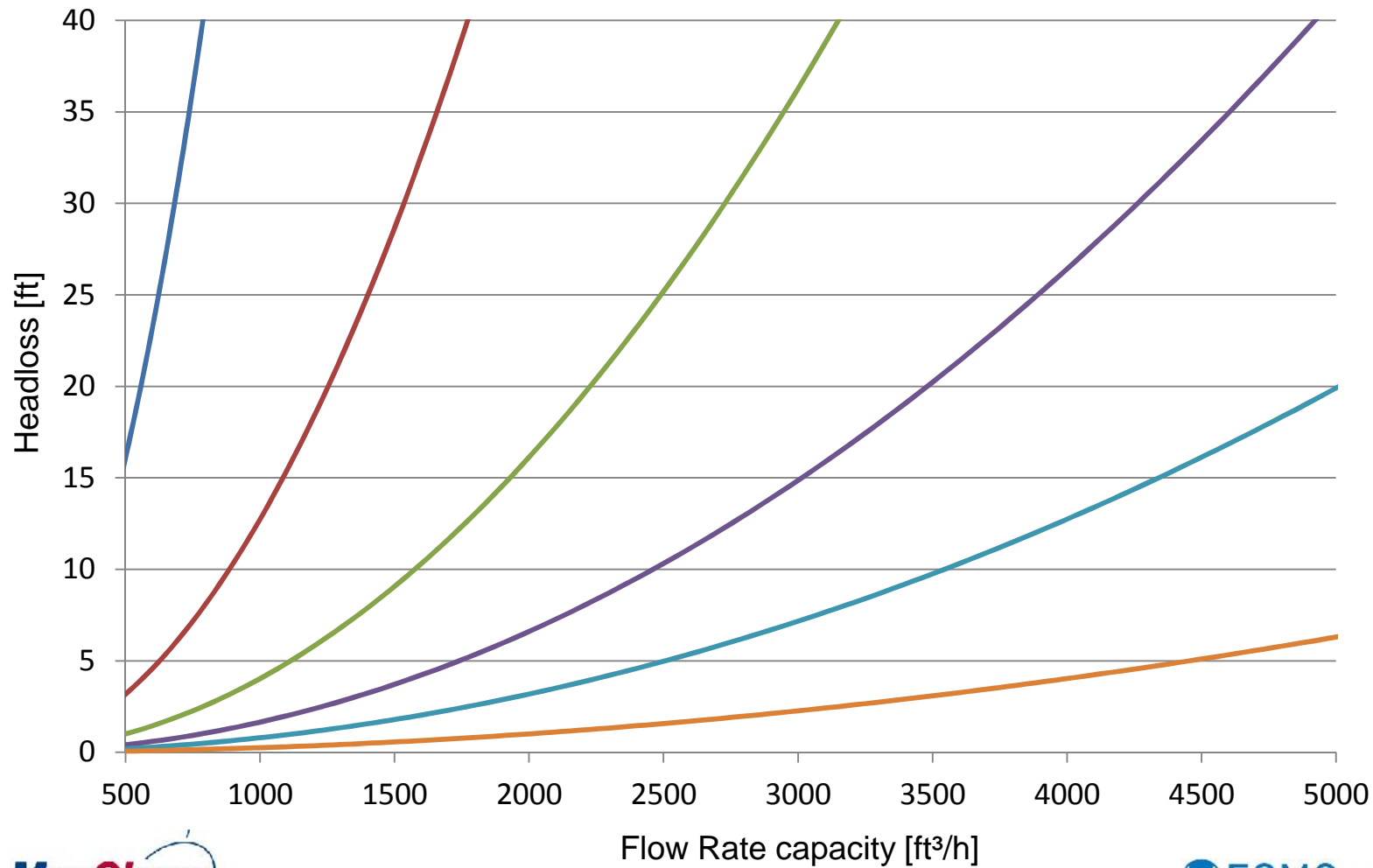
Hygienic

$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

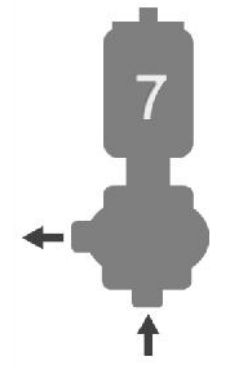
Hl – Head Loss [ft]
 K – Loss coefficient []
 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Shut-off Valve 7 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

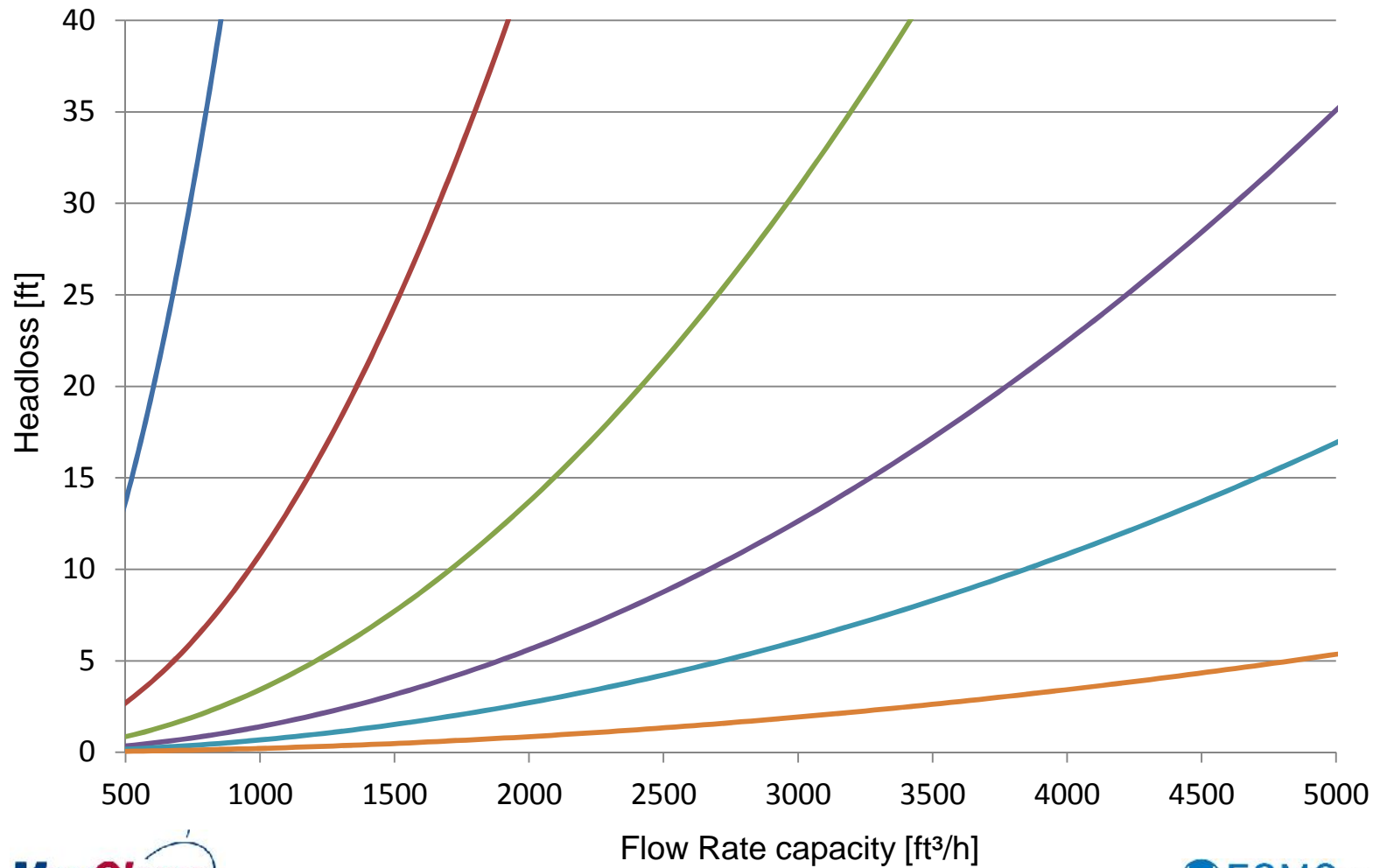


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

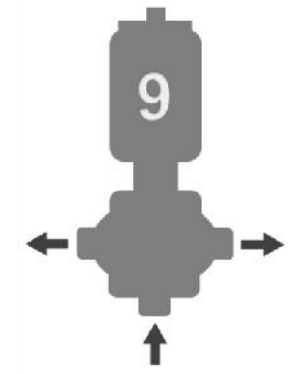
Hl – Head Loss [ft]
 K – Loss coefficient []
 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Shut-off Valve 9 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

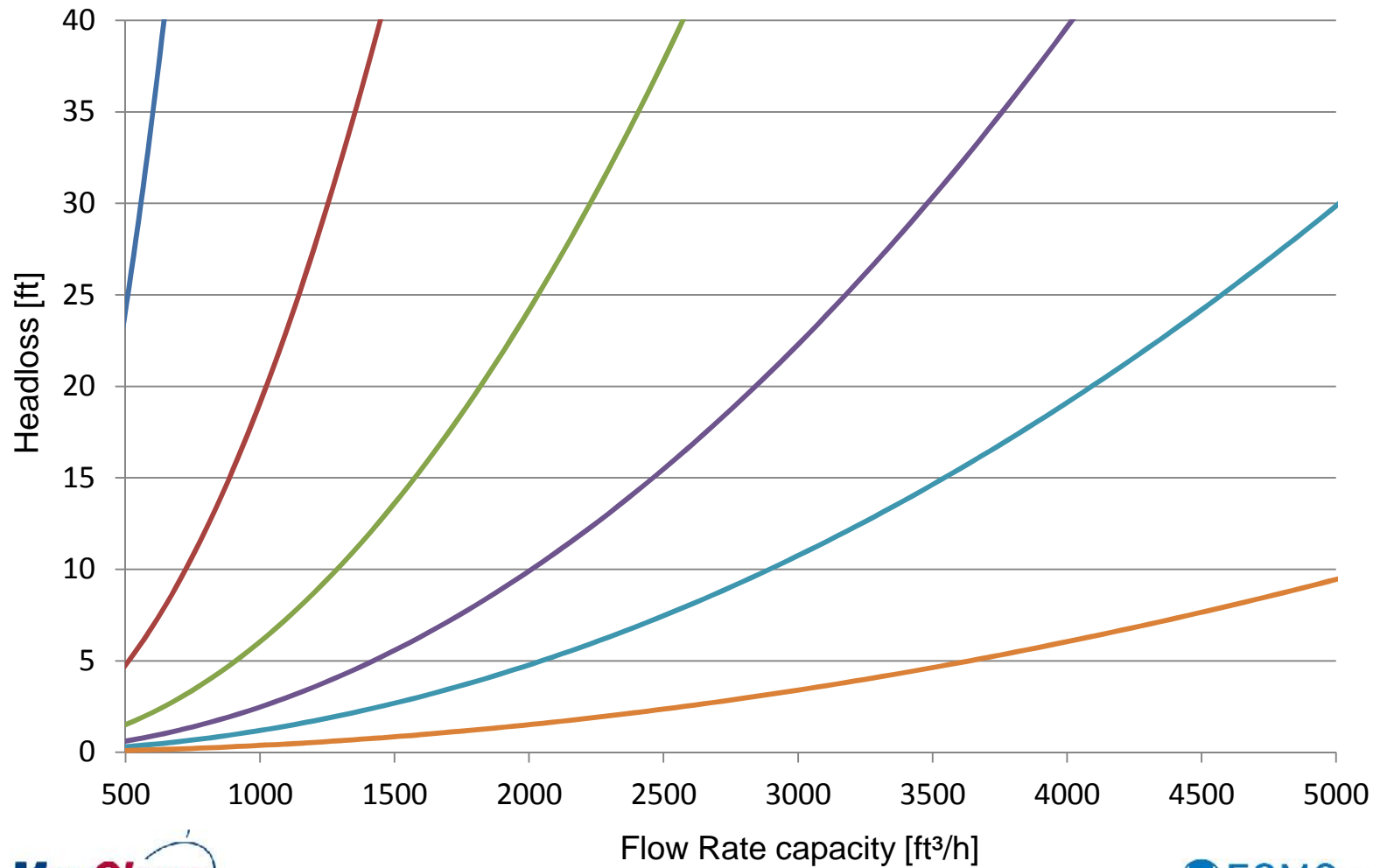


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

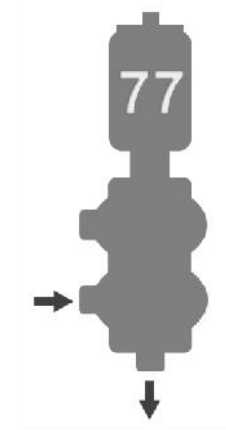
Hl – Head Loss [ft]
 K – Loss coefficient []
 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 77 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

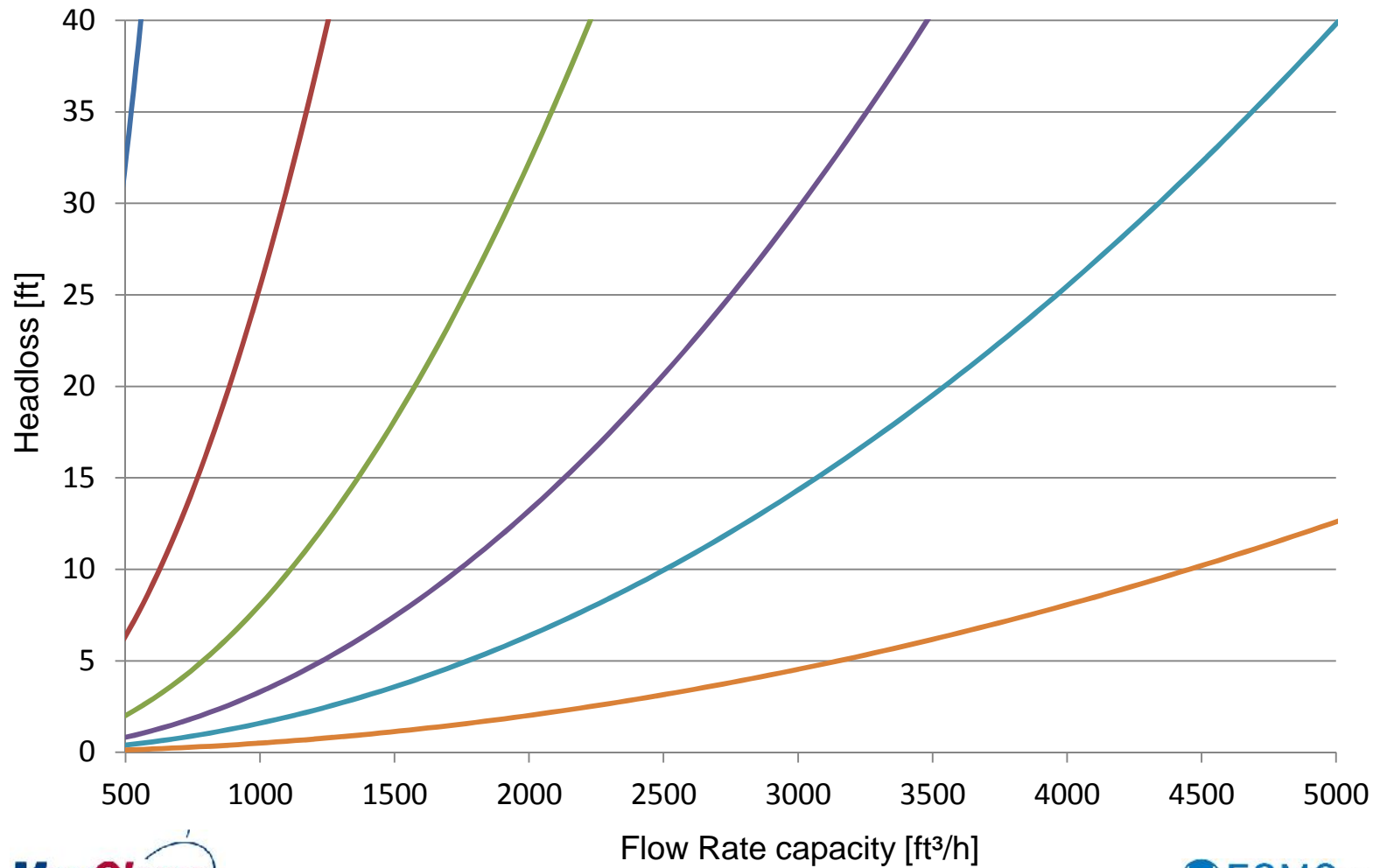


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

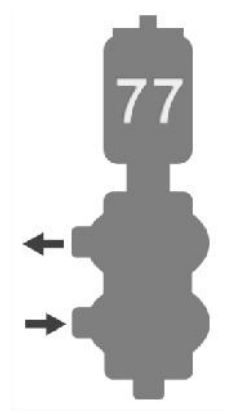
Hl – Head Loss [ft]
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 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 77 Close



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

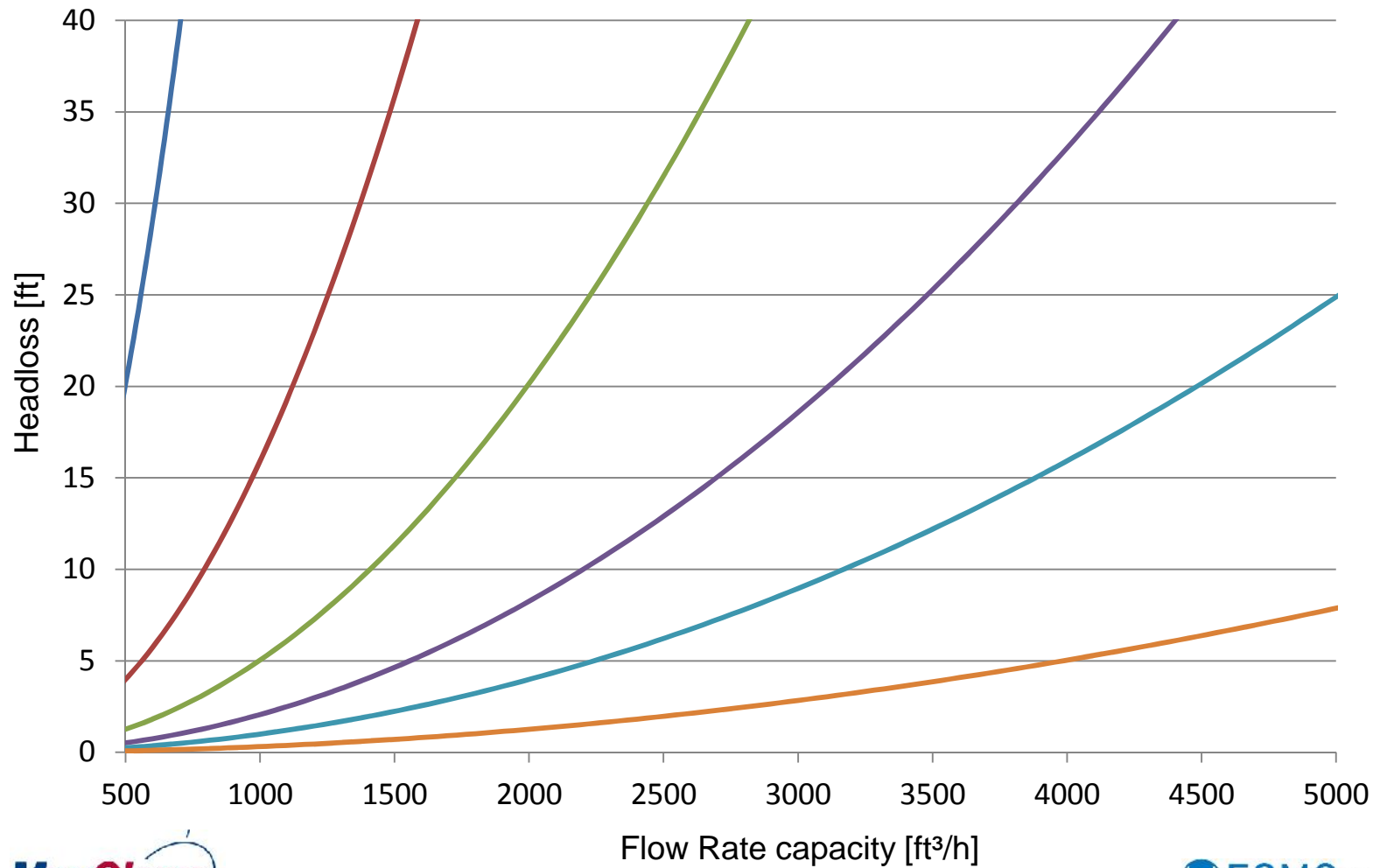


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

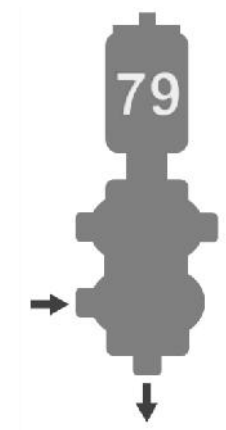
Hl – Head Loss [ft]
 K – Loss coefficient []
 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 79 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

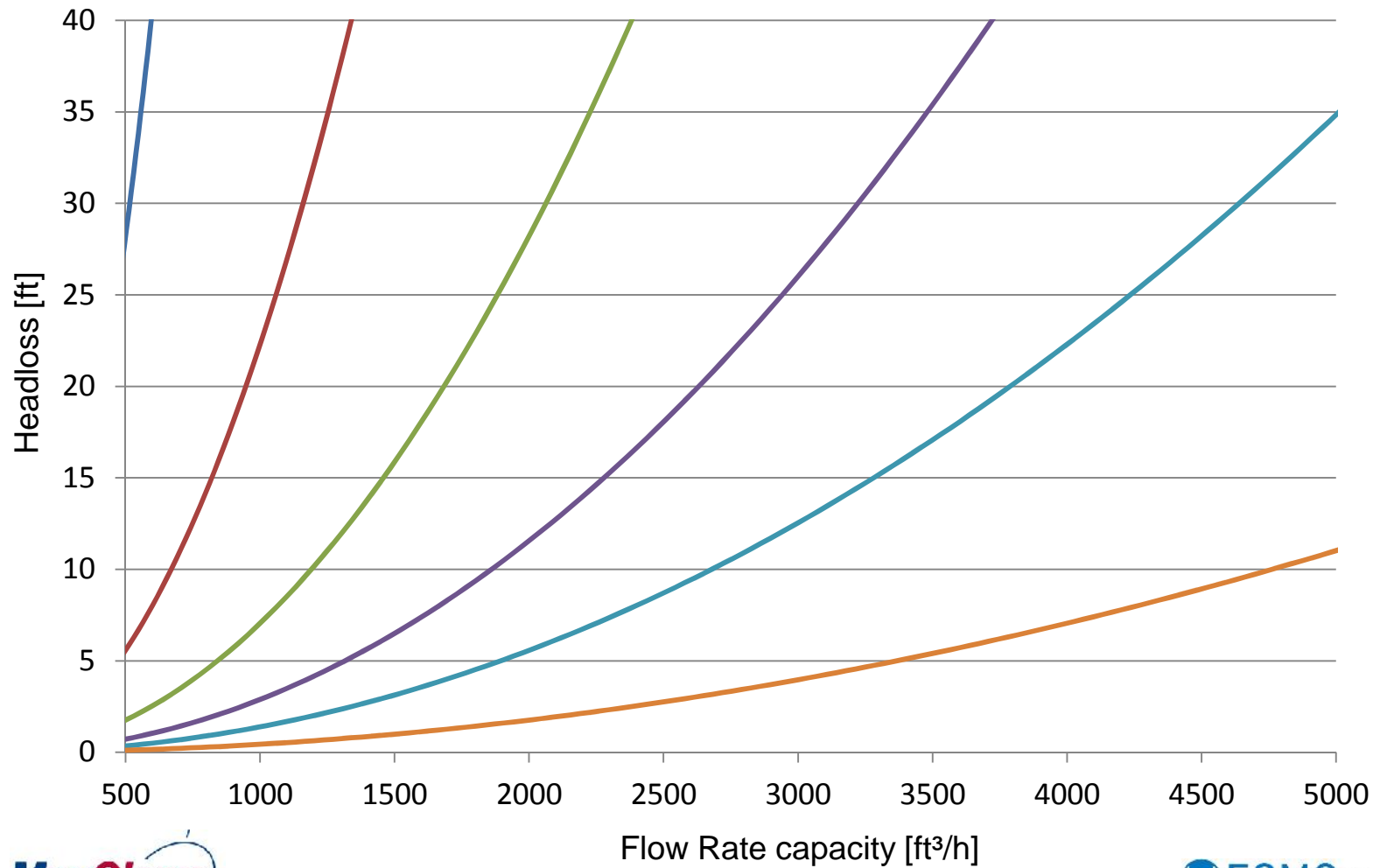


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

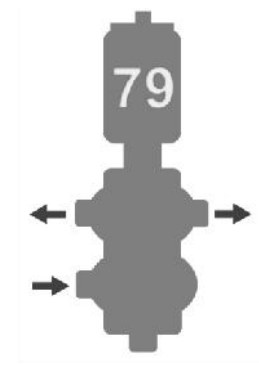
Hl – Head Loss [ft]
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 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 79 Close



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

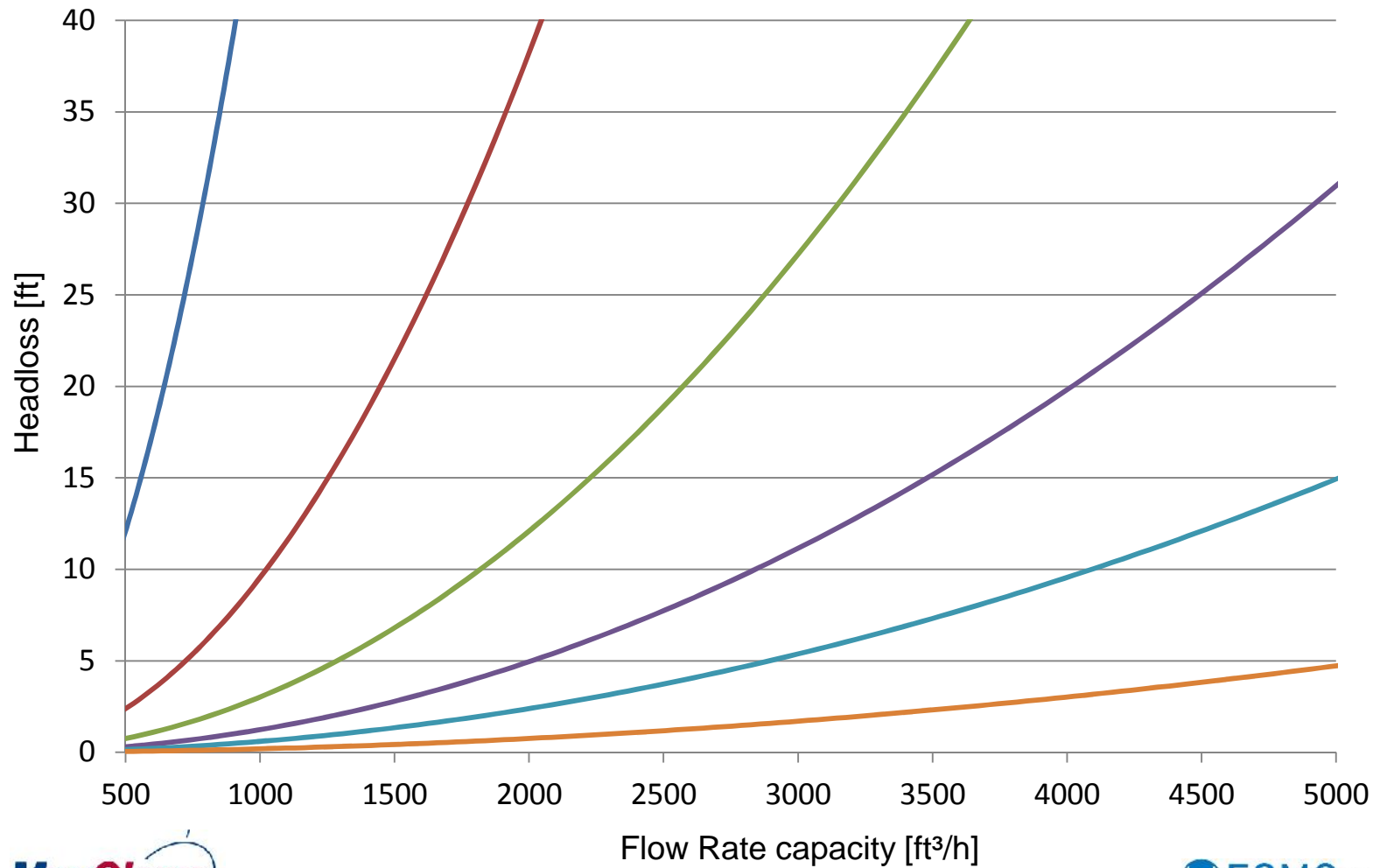


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

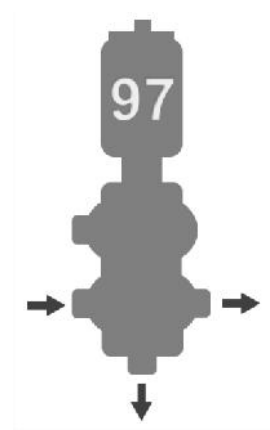
Hl – Head Loss [ft]
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 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 97 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

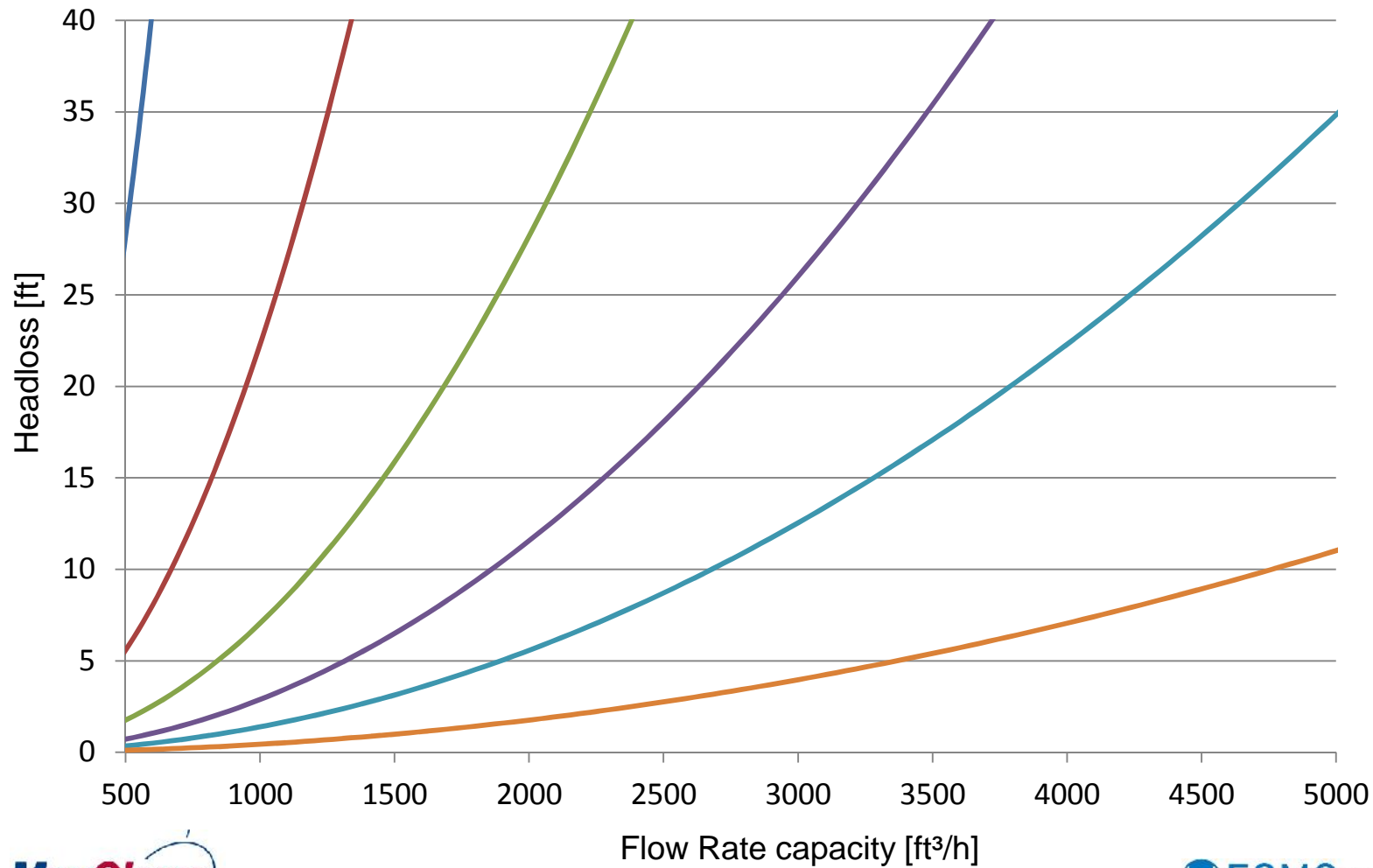


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

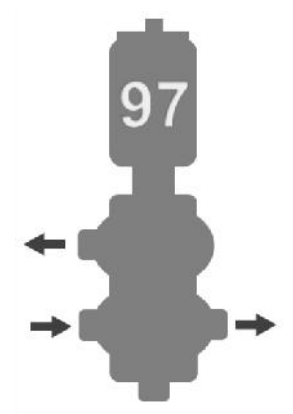
Hl – Head Loss [ft]
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 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 97 Close



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

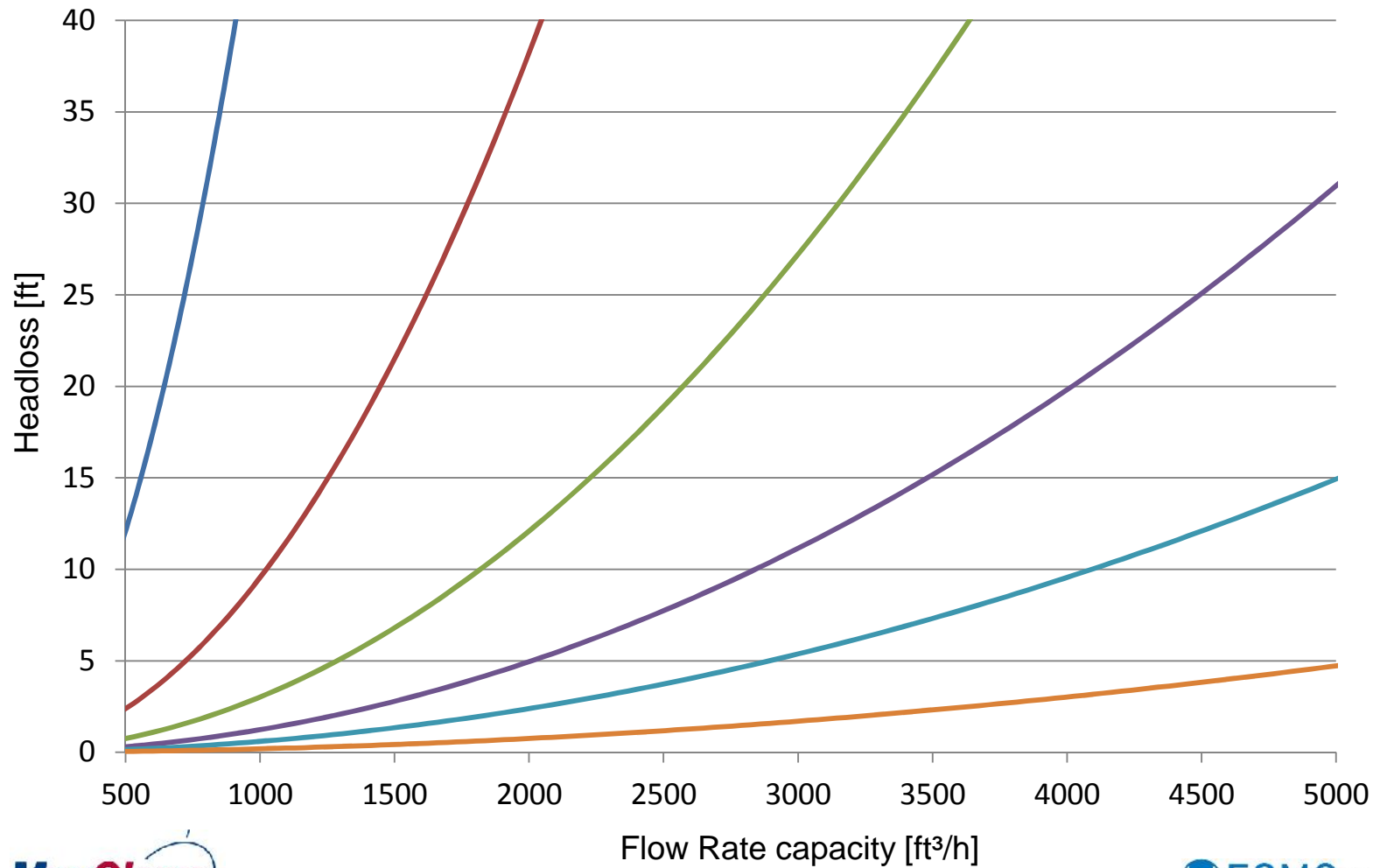


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

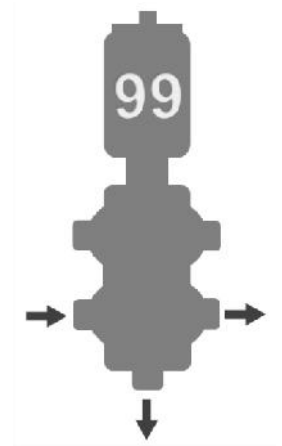
Hl – Head Loss [ft]
 K – Loss coefficient []
 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 99 Open



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

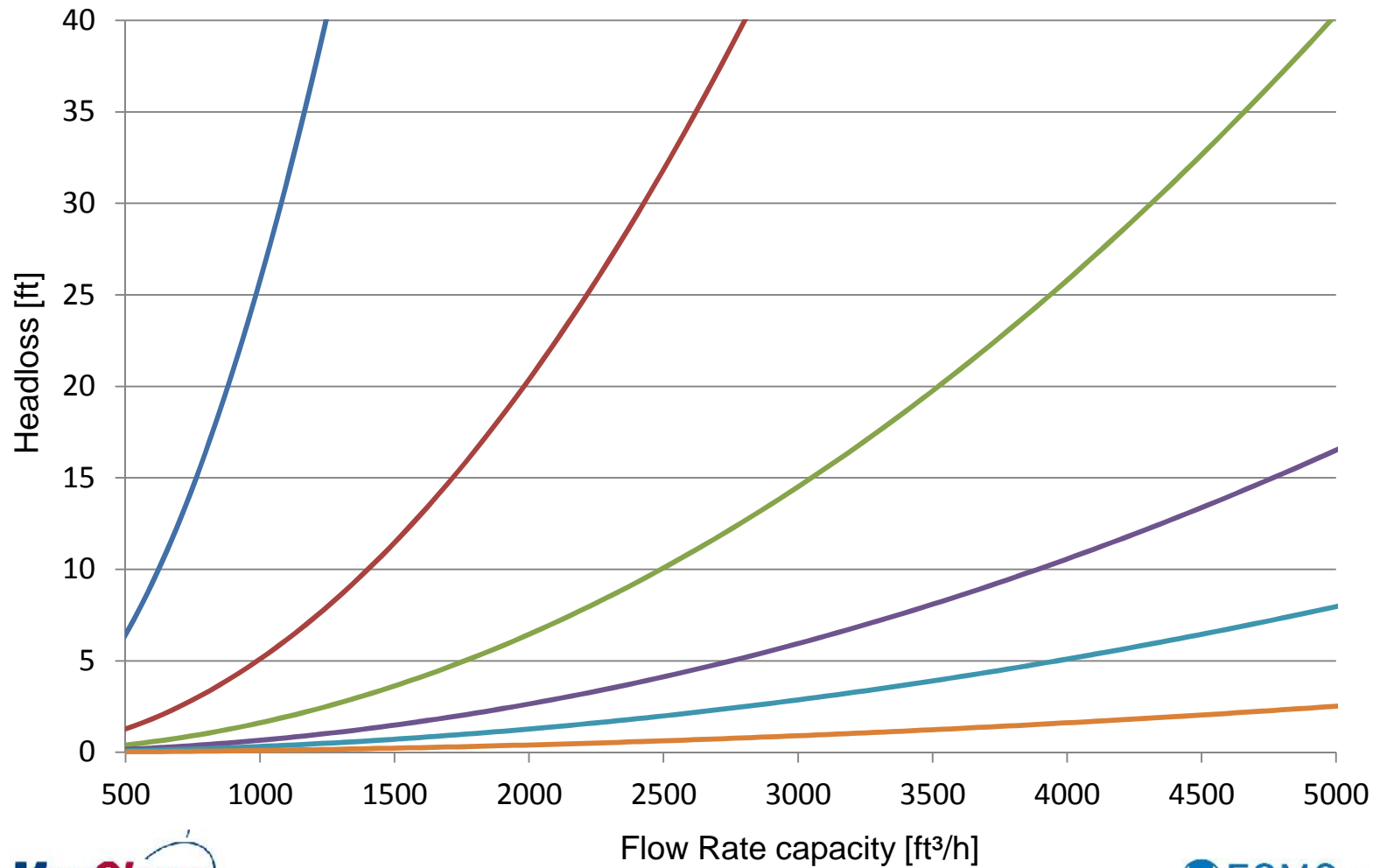


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

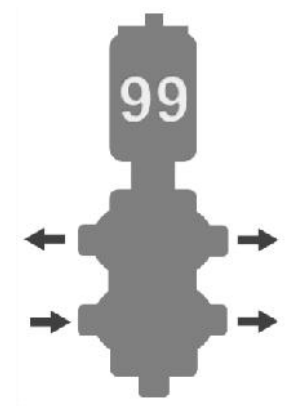
Hl – Head Loss [ft]
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 F – Flow Rate capacity [ft³/h]
 g – Gravitational acceleration [ft/s²]
 D – Valve diameter [inch]



Pressure drop – Divert Valve 99 Close



- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"





THANK YOU



MaxClean
Part: 411-00017
Rev: 02/2012
Publ: 02/2012-01-13-147-0
PL/2012
Max. Air Pressure:
7.5 Bar/109.7 PSI
Min. Air Pressure:
3 Bar/43.5 PSI
Max. Operating pressure:
10 Bar
Caution: Do Not Disassemble
EGMO
Assembly Part: 411-00017
Assembly Job: 3234547
MC



Semiconductor



Bio-Pharm



Hygienic

