



PVE Head loss charts



MaxClean

Part: 611-00297
Sub: 1262421
Model: PVP-3-BC-1.047.0
01/2016

Max. Air Pressure:
7.5 bar/ 108.7 PSI
Min. Air Pressure:
3 bar/ 43.5 PSI
Max. Operating pressure:
18 bar



Caution: Do Not Disassemble

EGMO

Assembly Part: 611-00520
Assembly Sub: 1244447
BC



Semiconductor



Bio-Pharm



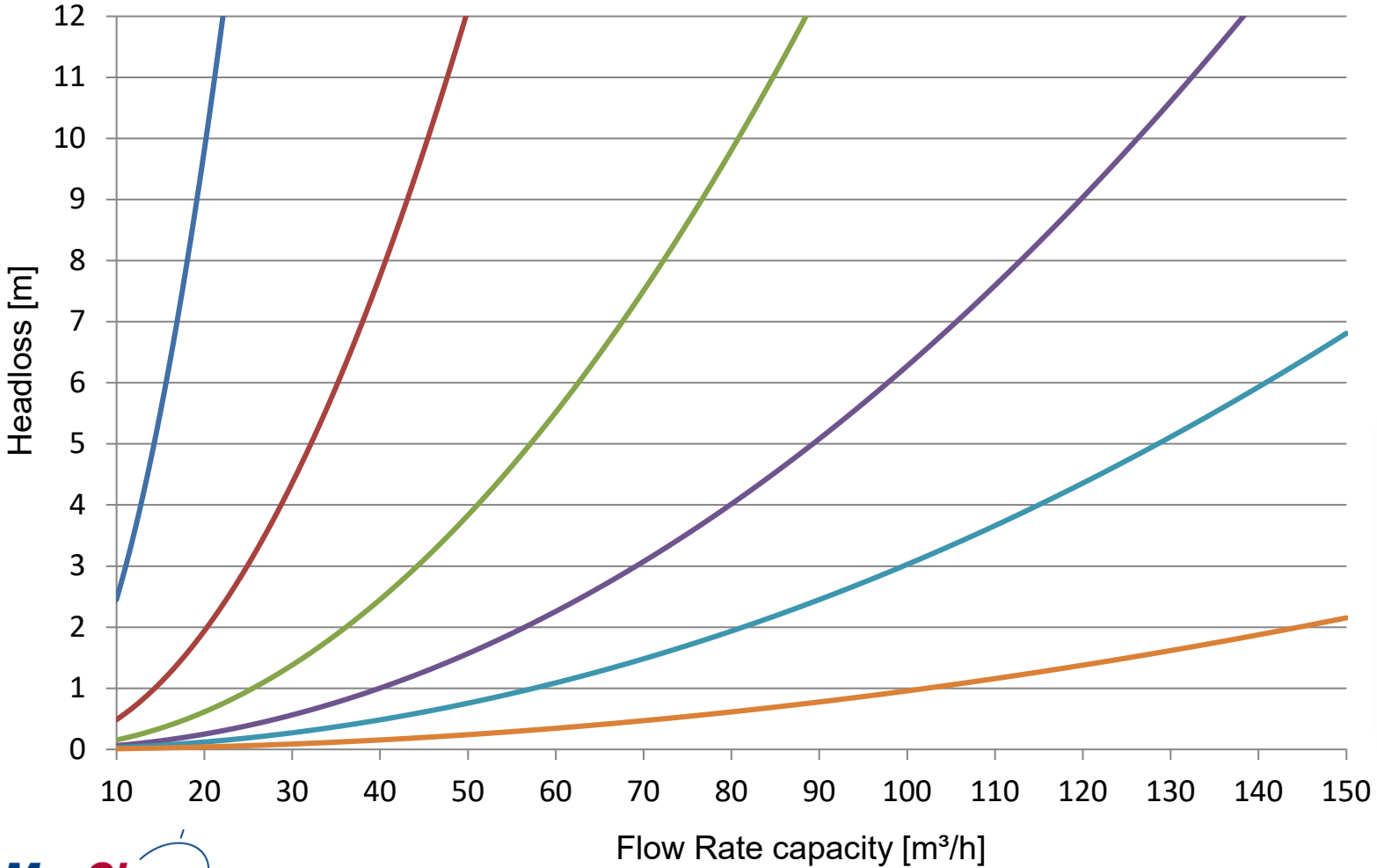
Hygienic



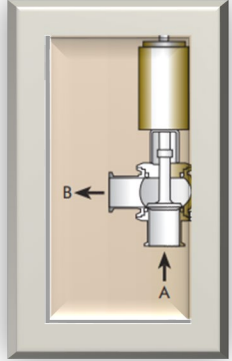
$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

Hl – Head Loss [m]
 K – Loss coefficient []
 F – Flow Rate capacity [m³/h]
 g – Gravitational acceleration [m/s²]
 D – Valve diameter [mm]

Pressure drop – Shut-off Valve (A – B) K=2E5



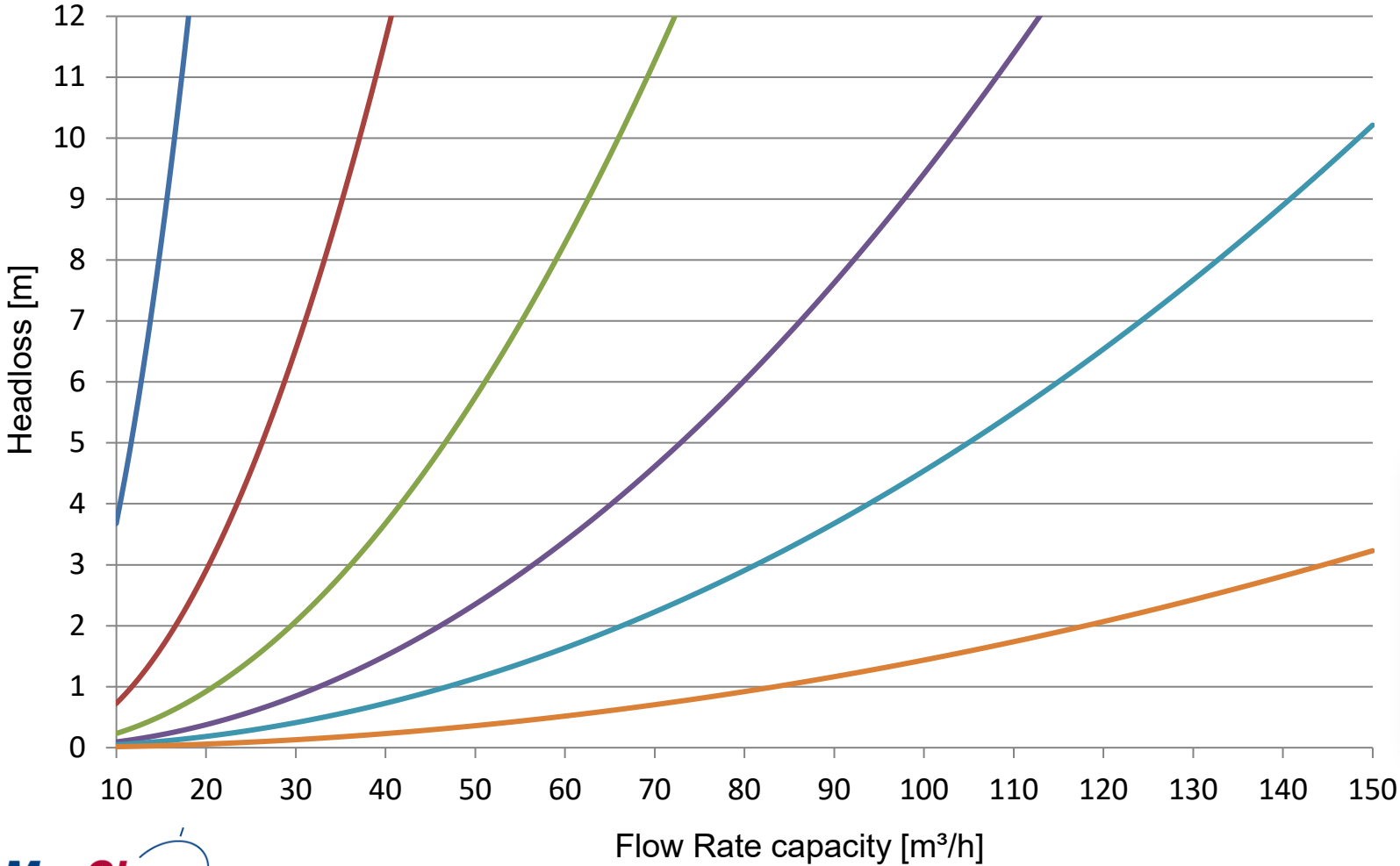
- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"



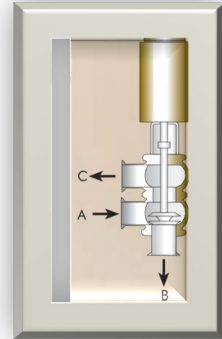
$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

Hl – Head Loss [m]
 K – Loss coefficient []
 F – Flow Rate capacity [m³/h]
 g – Gravitational acceleration [m/s²]
 D – Valve diameter [mm]

Pressure drop – Divert Valve (A – B) K=3E5



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

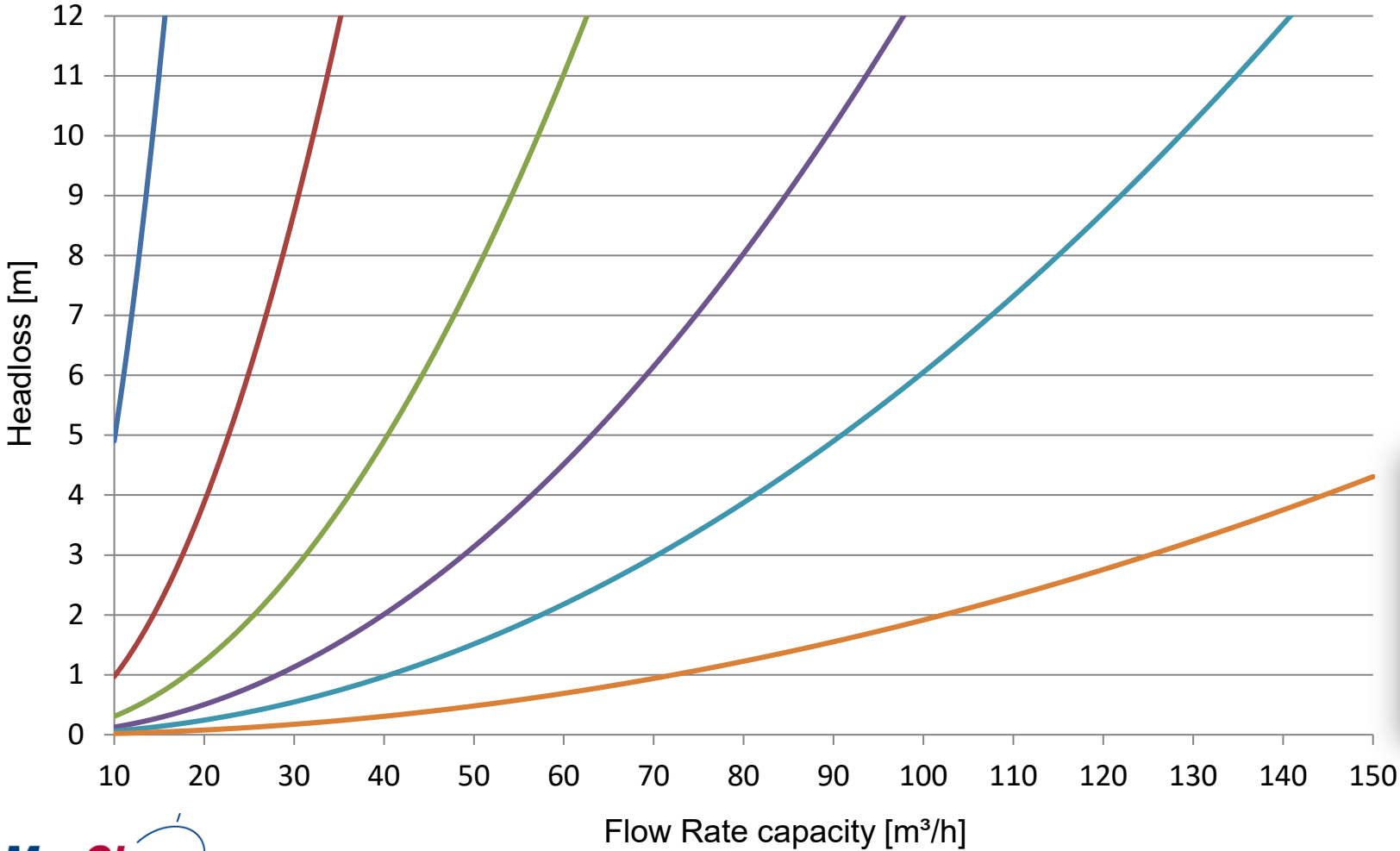


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

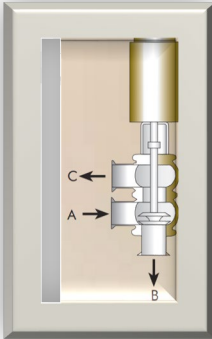
Hl – Head Loss [m]
 K – Loss coefficient []
 F – Flow Rate capacity [m³/h]
 g – Gravitational acceleration [m/s²]
 D – Valve diameter [mm]



Pressure drop – Divert Valve (A – C) K=4E5

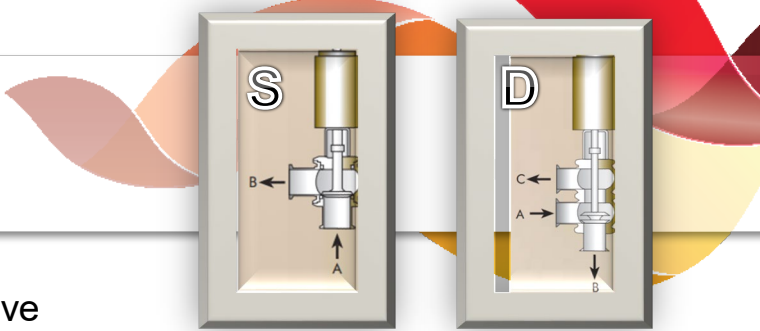


- 1"
- 1.5"
- 2"
- 2.5"
- 3"
- 4"

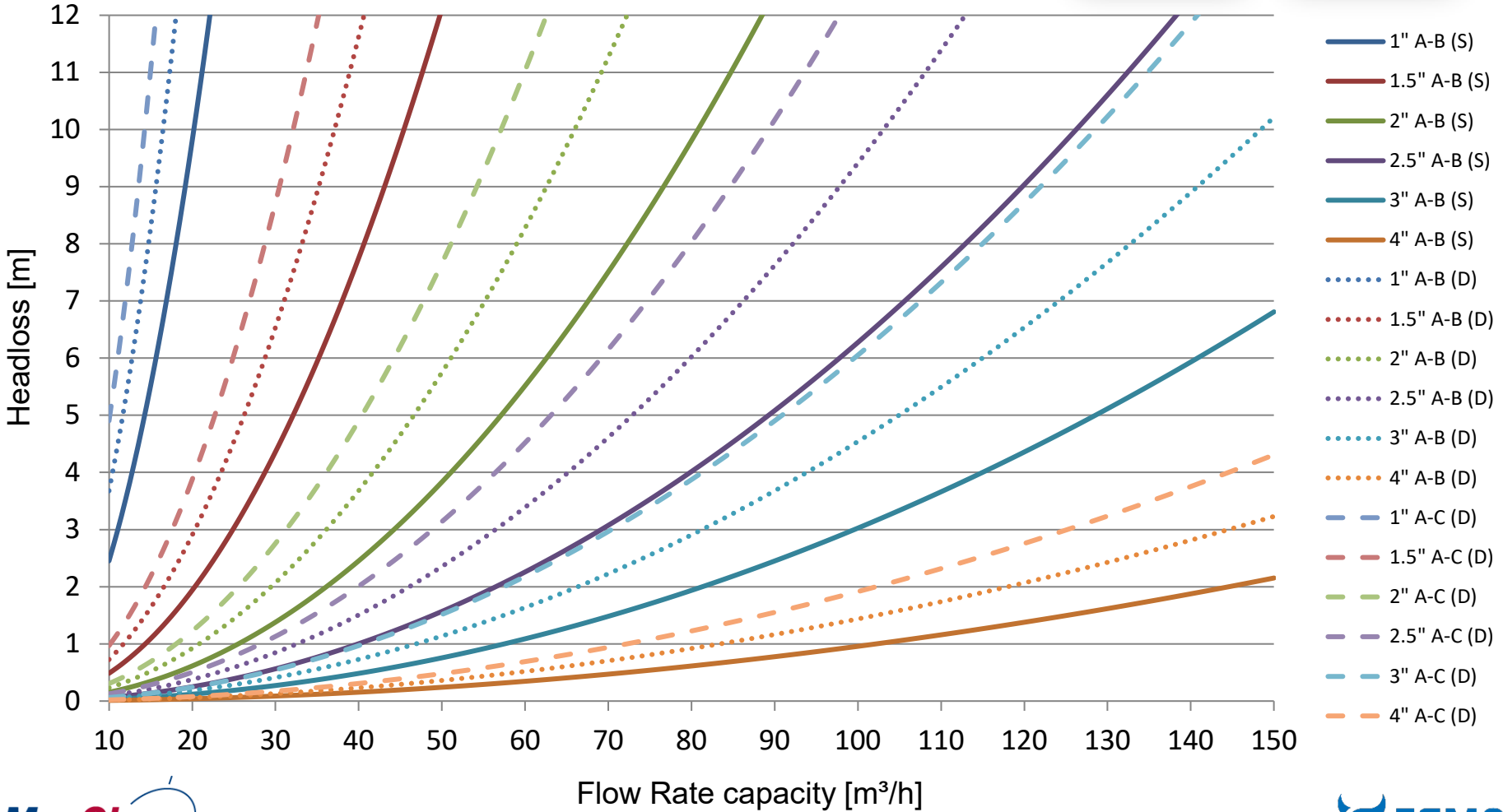


$$Hl = \frac{K \cdot F^2}{2g \cdot D^4}$$

Hl – Head Loss [m]
 K – Loss coefficient []
 F – Flow Rate capacity [m³/h]
 g – Gravitational acceleration [m/s²]
 D – Valve diameter [mm]



Pressure drop – Shut-off & Divert Valve





THANK YOU



MaxClean
Part: 611-00097
Job: 1261633
Name: PFM-1-MC-1.542.0
01/2016
Max. Air Pressure:
7.5 bar / 109.7 PSI
Max. Air Temperature:
5 bar / 72.9 PSI
Max. Operating pressure:
10 bar
Caution: Do Not Disassemble
EGMO
Assembly Part: 611-00020
Assembly Job: 1234567
MC



Semiconductor



Bio-Pharm



Hygienic

