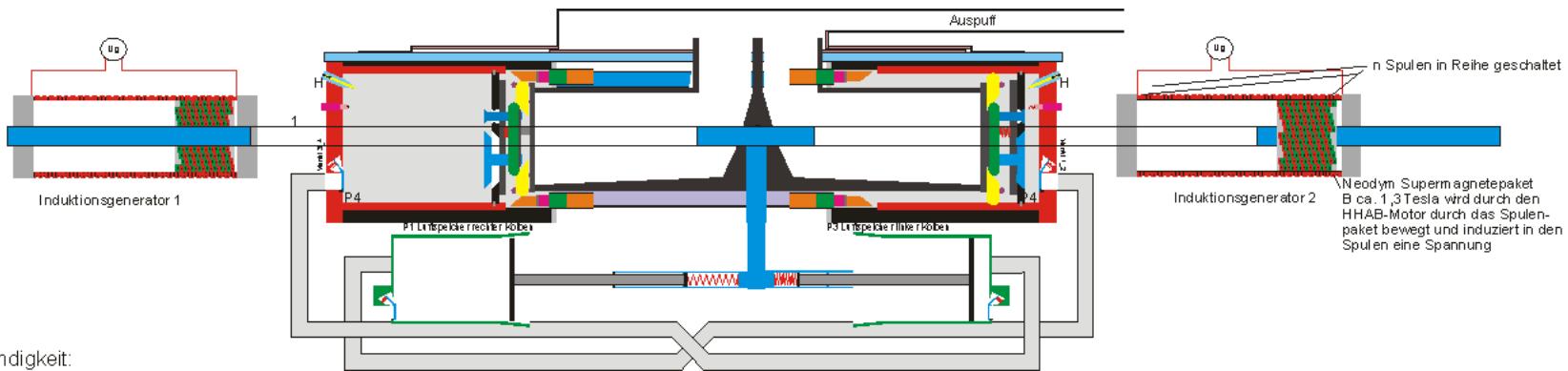
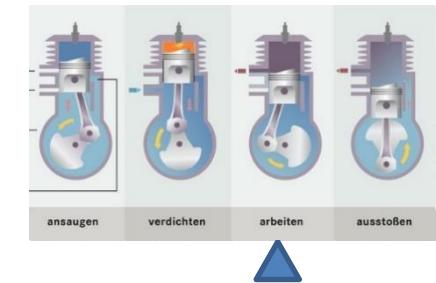
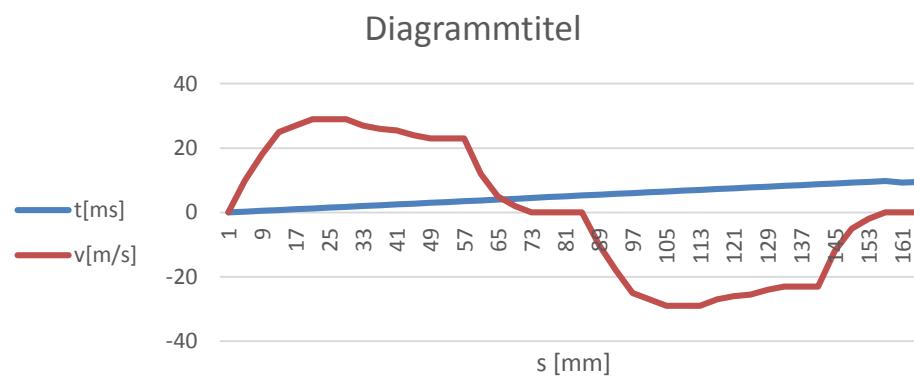
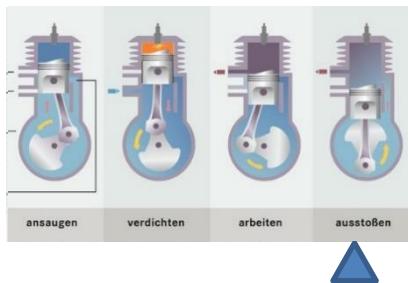


Wasserstoffgemisch wird gezündet,
wenn der Kolben sich nach links bewegt



Kolbengeschwindigkeit:

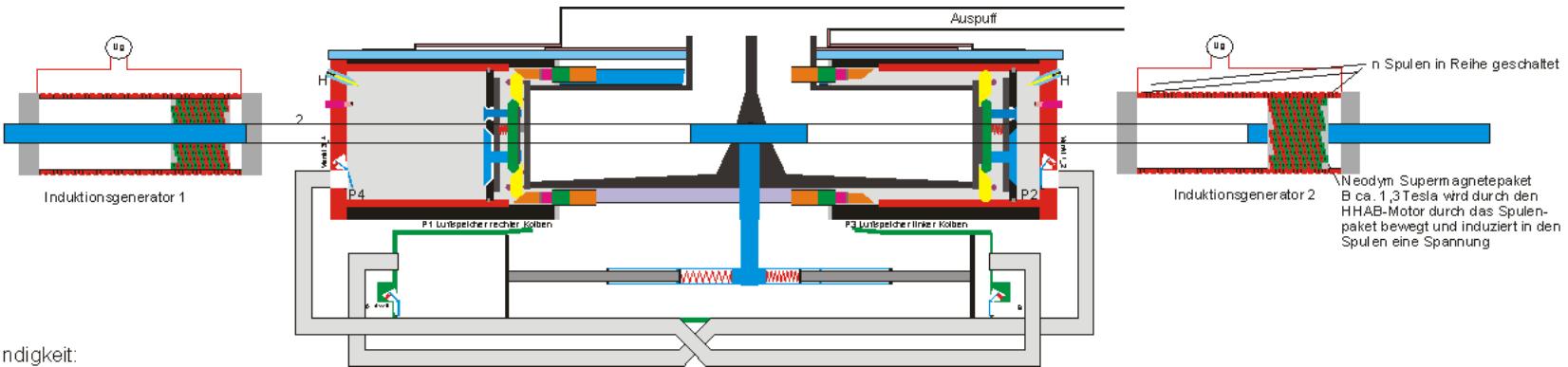
Abgastemperatur ca. 450°C



Abgase entweichen

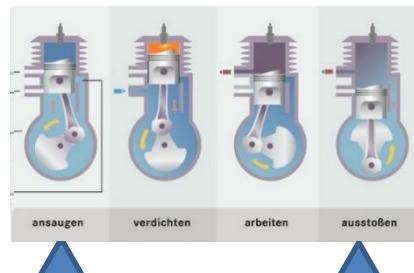
Wasserstoffgemisch wird
gezündet

Ventil 3_4 wird automatisch geöffnet, wenn der Luftdruck P3>P4 ist

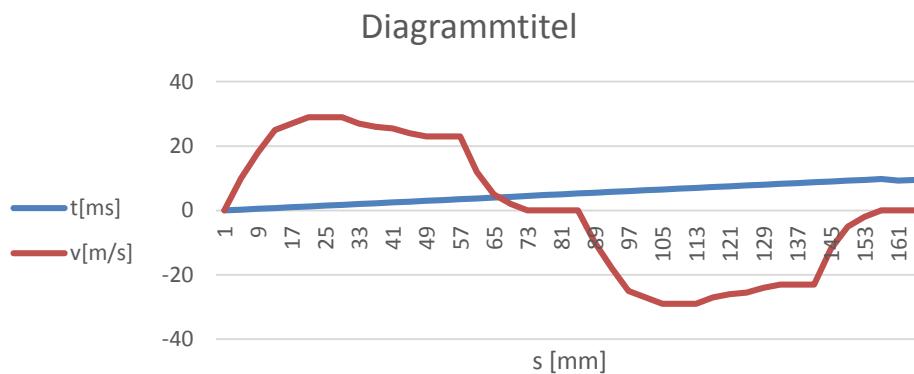


Kolbengeschwindigkeit:

Abgastemperatur ca. 450°C

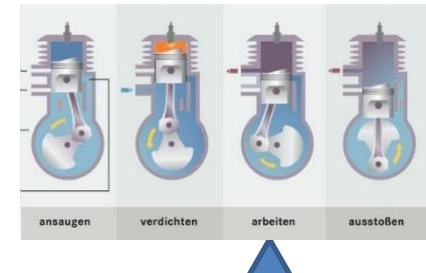


Frischluft für Lambda 2

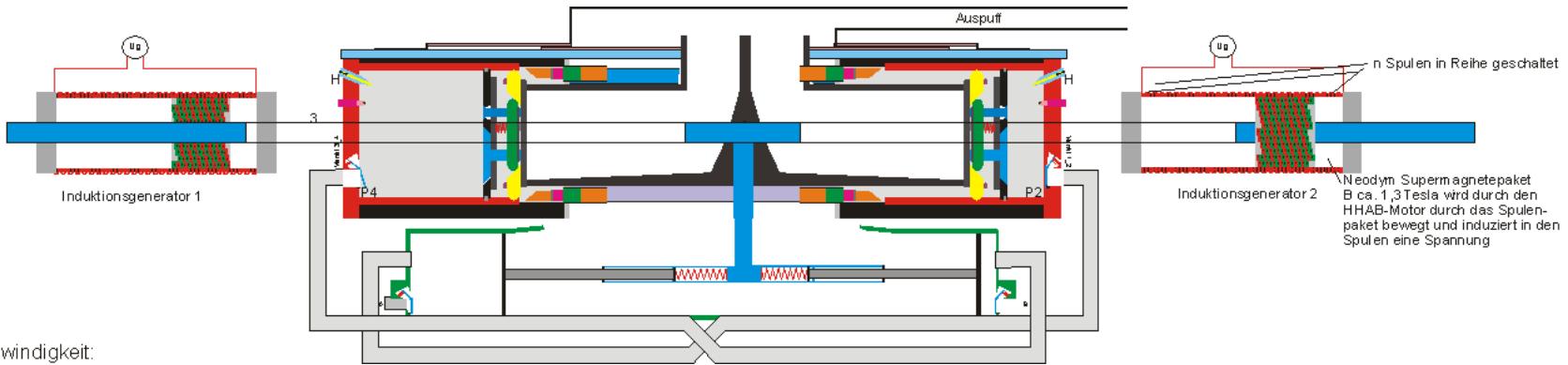


Kolben wird gespült

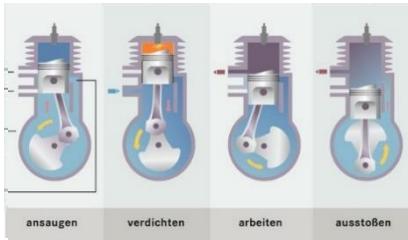
Kolben erzeugt Energie



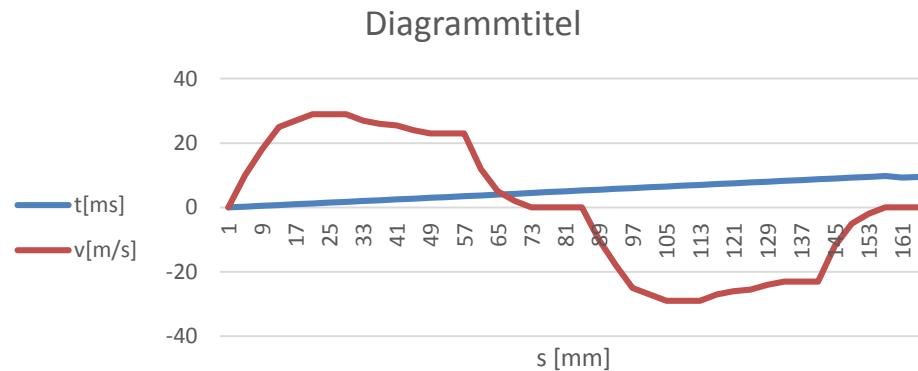
Ventil 3_4 bleibt geöffnet solange
der Luftdruck $P_3 > P_4$ ist



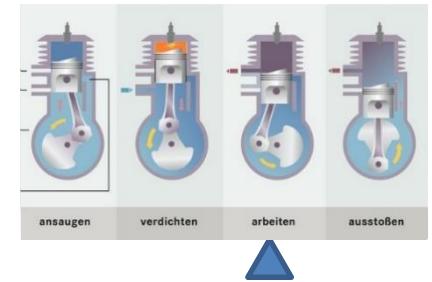
Kolbengeschwindigkeit:



Frischluft für Lambda 2

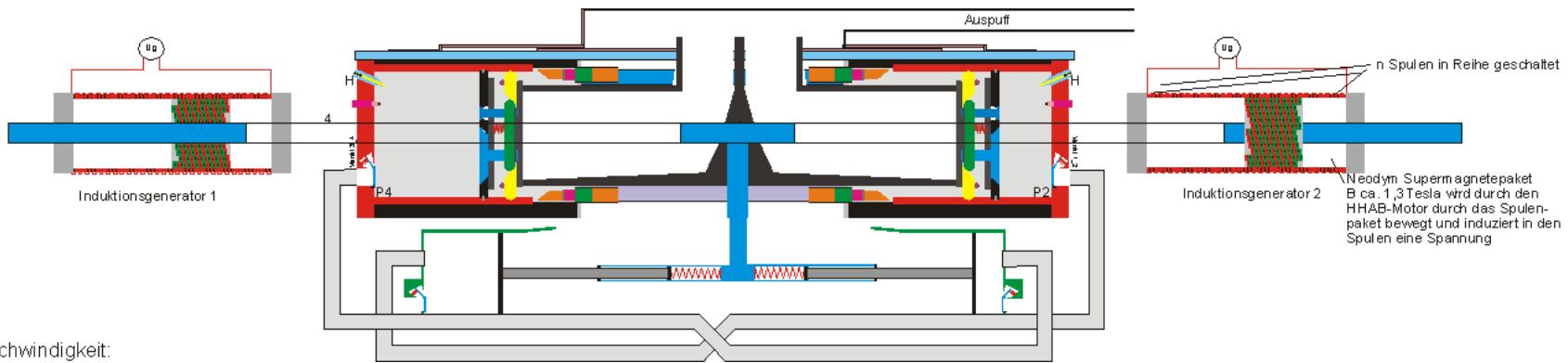


Kolben wird gespült

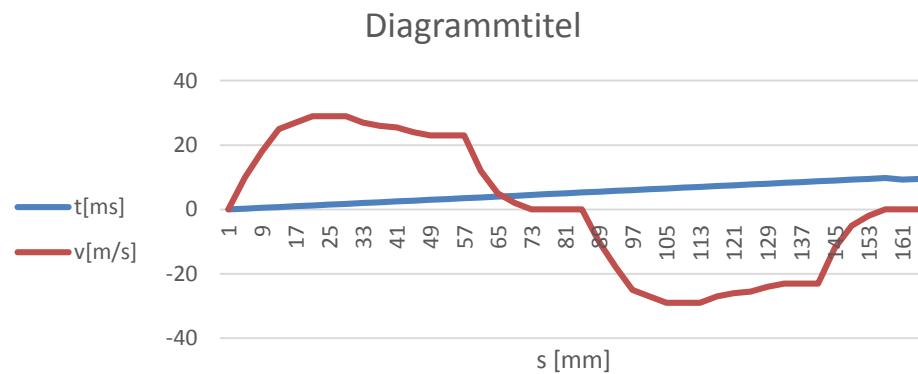
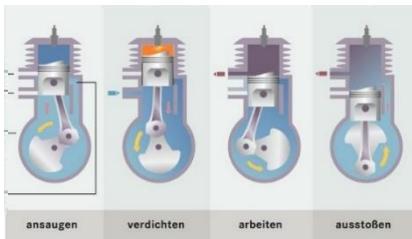


Kolben erzeugt Energie

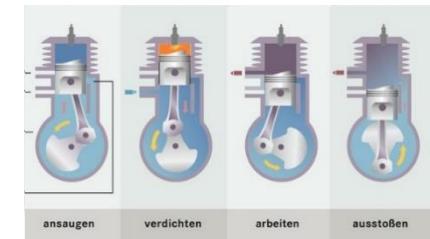
Ventil 3_4 wird automatisch geschlossen, wenn der Luftdruck $P_3 < P_4$ ist



Kolbengeschwindigkeit:

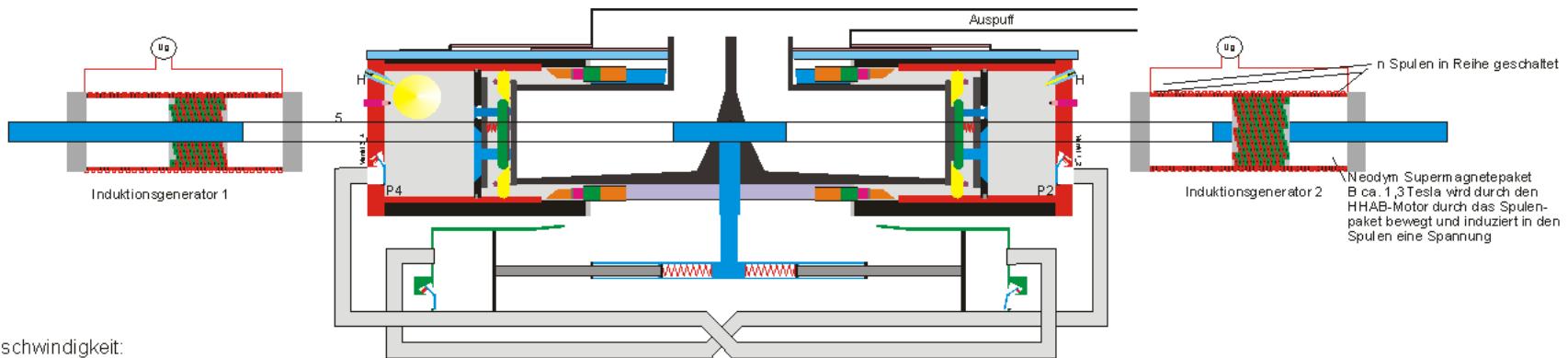


Luft wird komprimiert

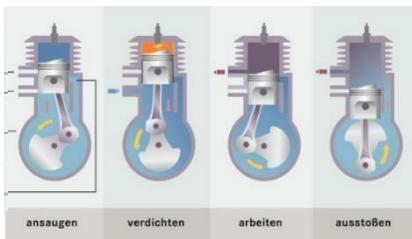


Kolben erzeugt Energie

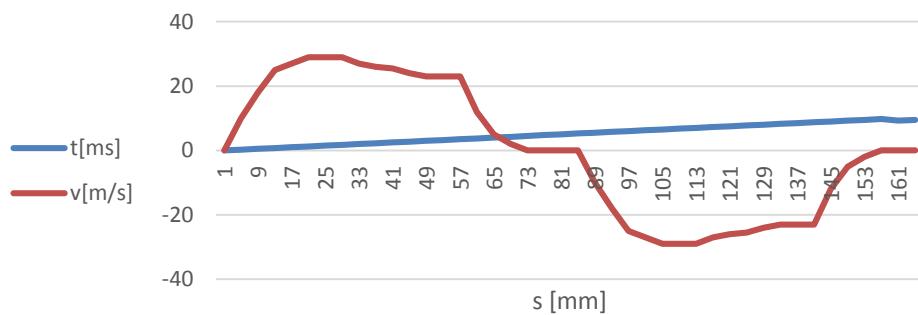
Wasserstoff für Lambda 2



Kolbengeschwindigkeit:

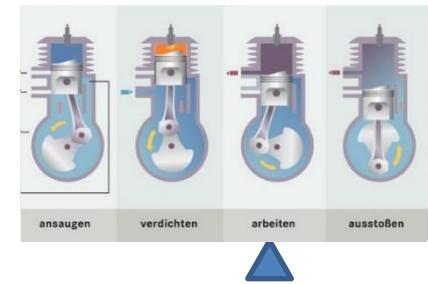


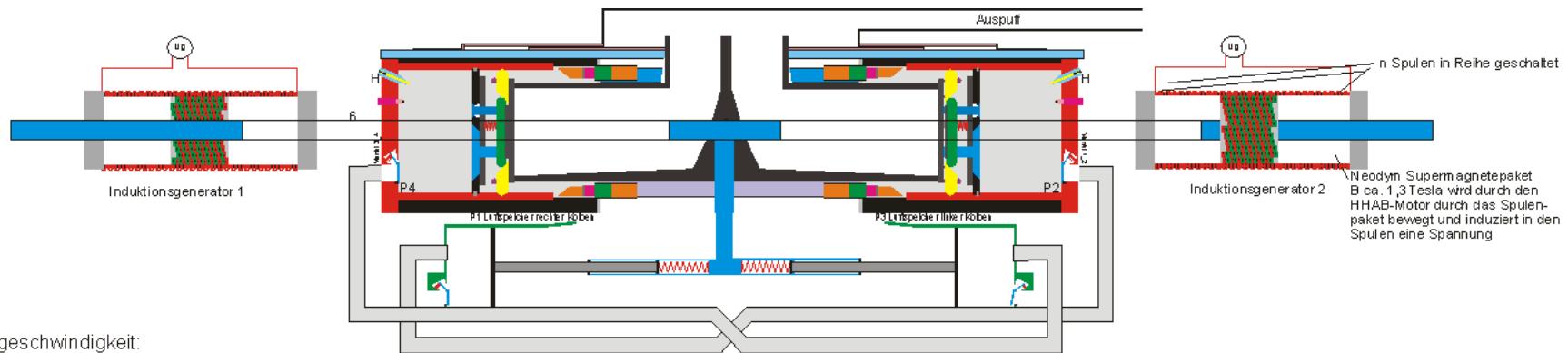
Diagrammtitel



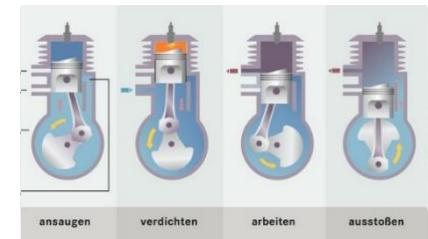
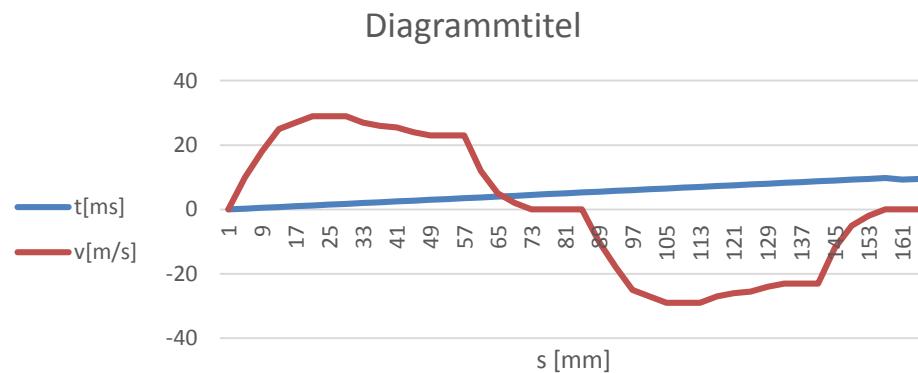
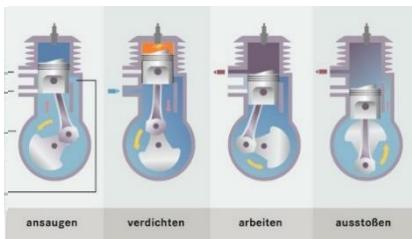
Wasserstoff wird eingespritzt

Kolben erzeugt Energie



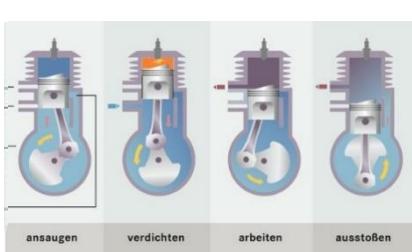
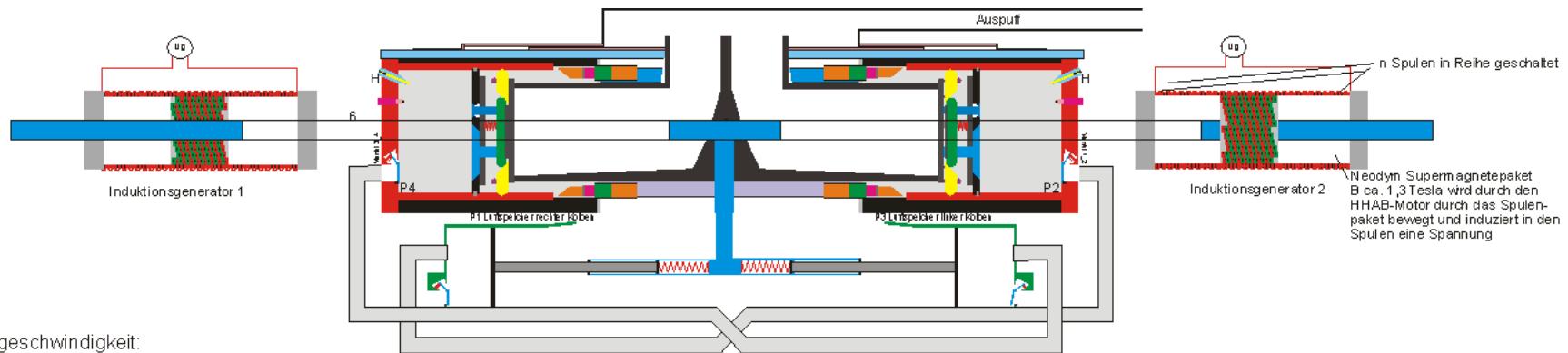


Kolbengeschwindigkeit:

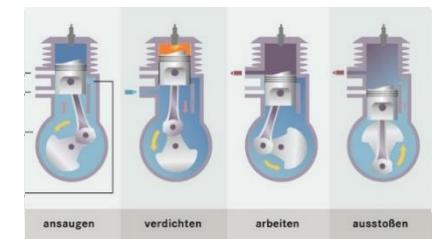
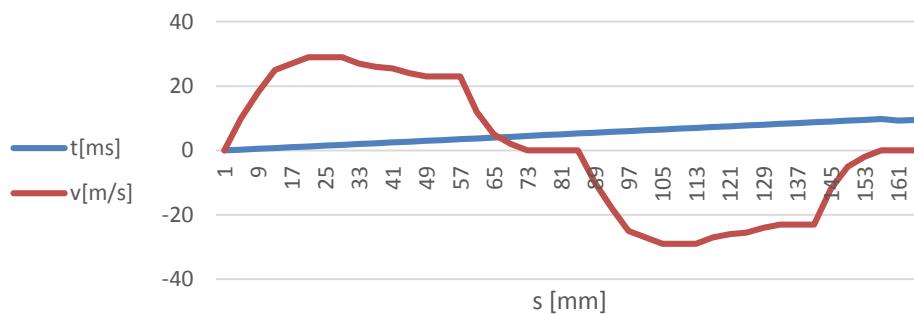


Gemisch wird komprimiert

Kolben erzeugt Energie

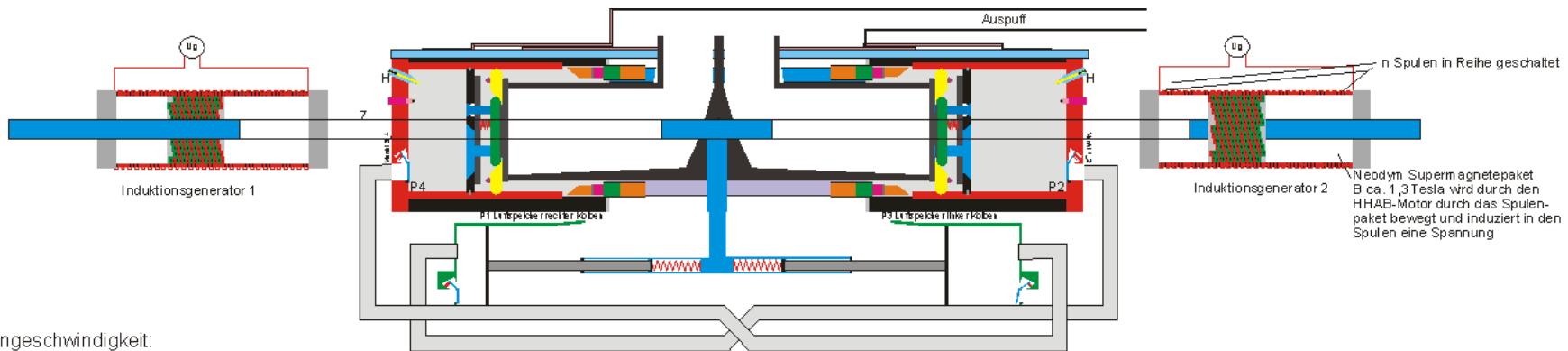


Diagrammtitel

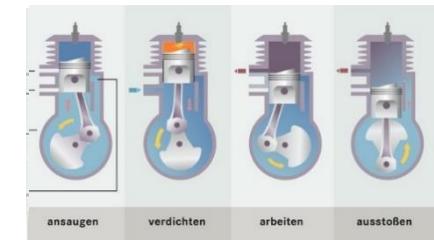
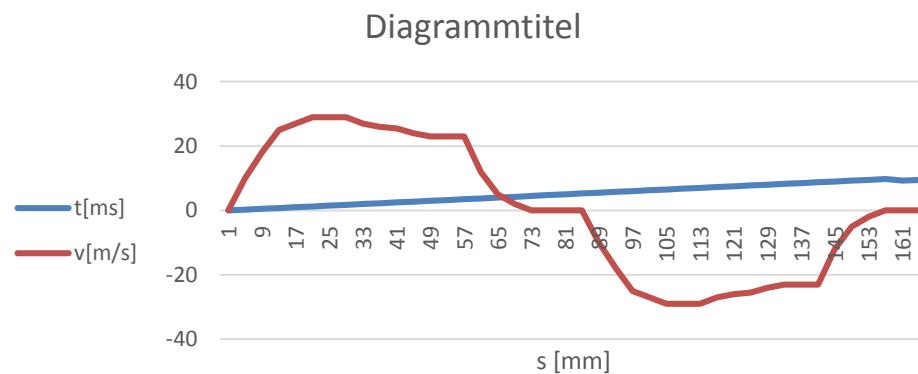
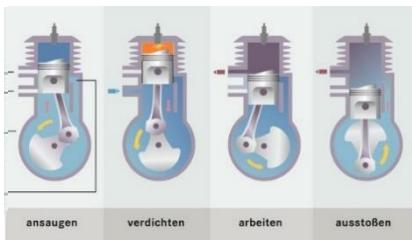


Gemisch wird komprimiert

Kolben erzeugt Energie

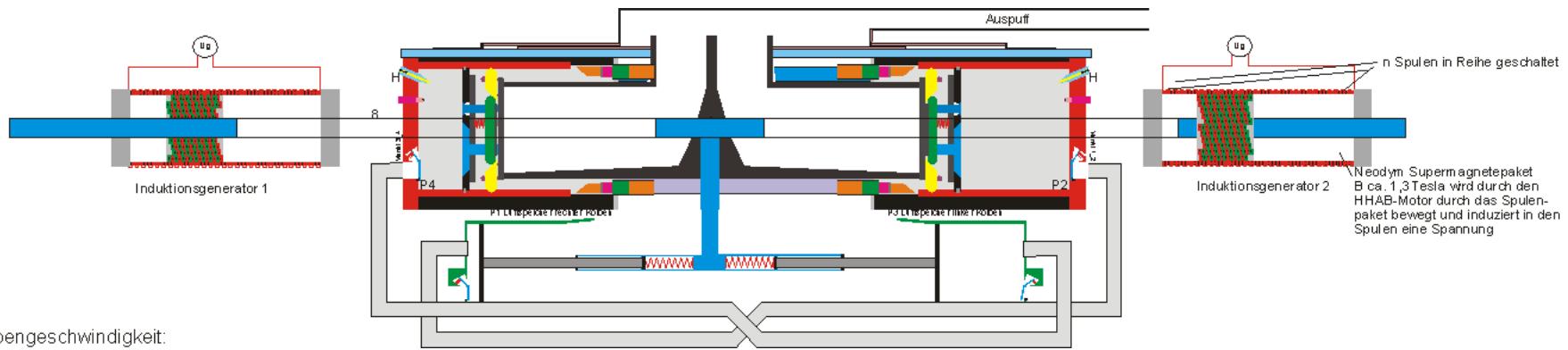


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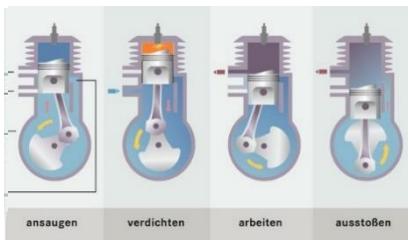


Gemisch wird komprimiert

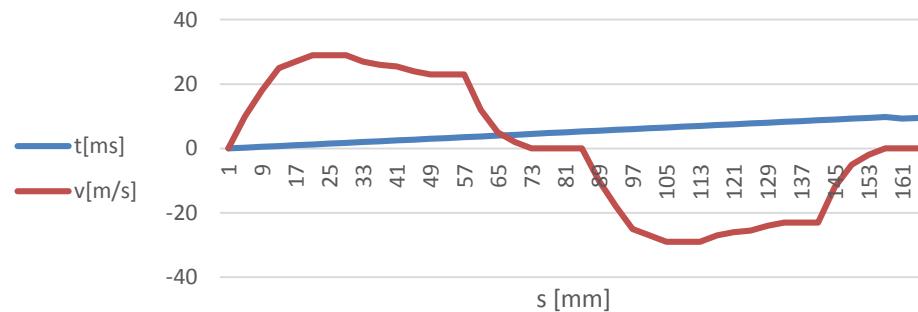
Kolben erzeugt Energie



Kolbengeschwindigkeit:

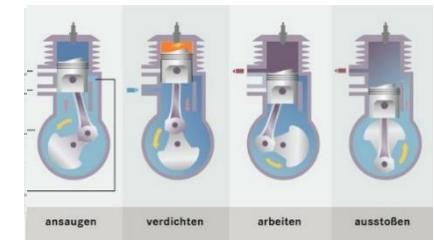


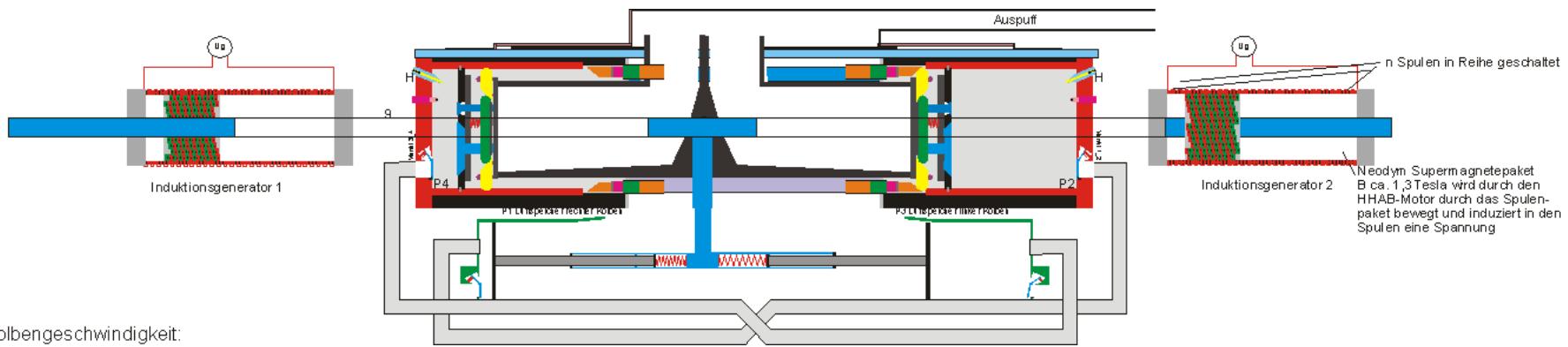
Diagrammtitel



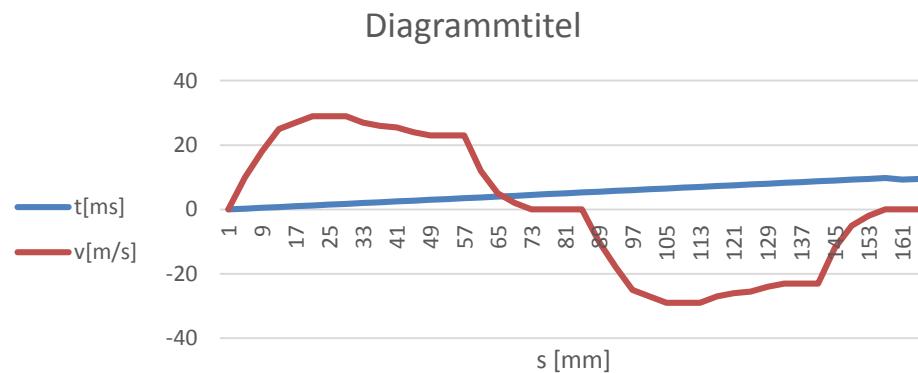
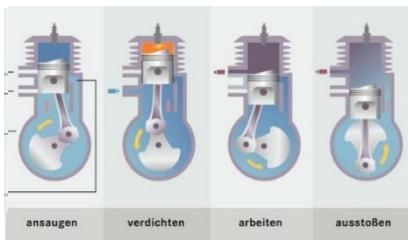
Gemisch wird komprimiert

Kolben erzeugt Energie



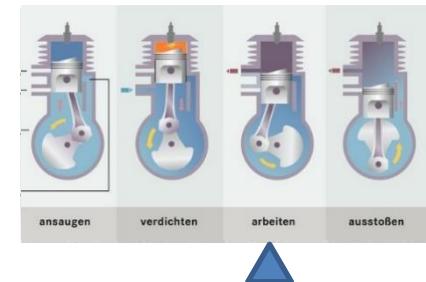


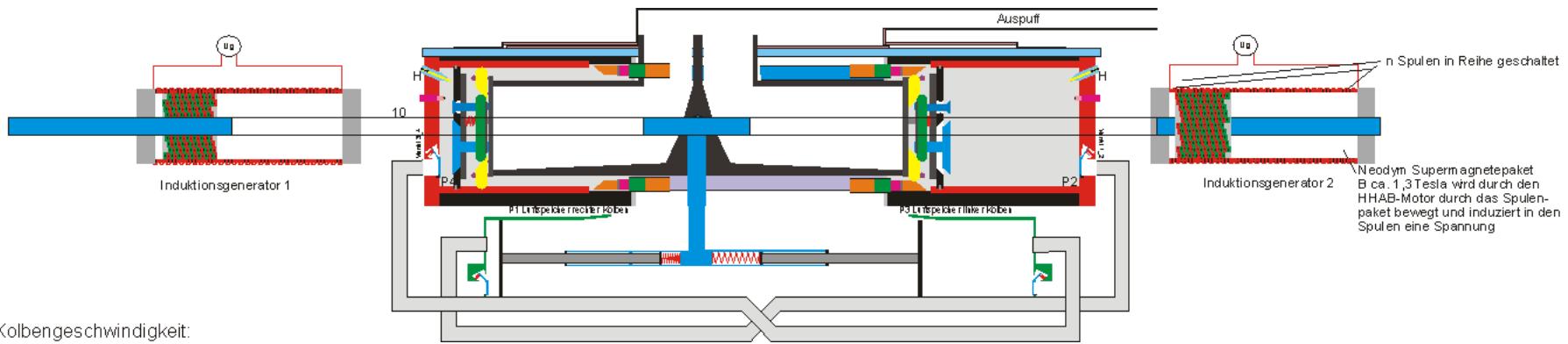
Kolbengeschwindigkeit:



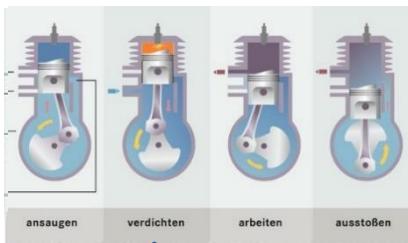
Gemisch wird komprimiert

Kolben erzeugt Energie

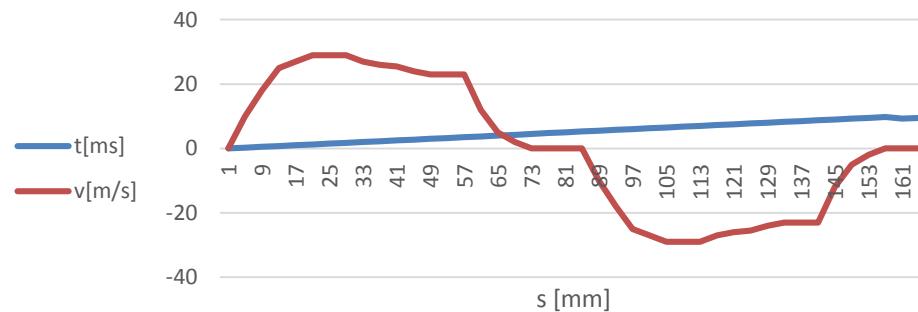




Kolbengeschwindigkeit:

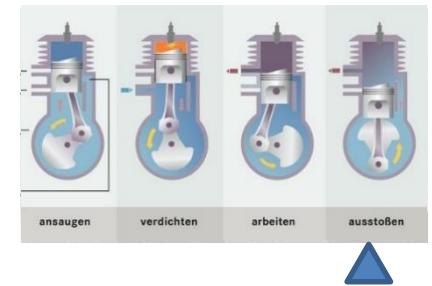


Diagrammtitel



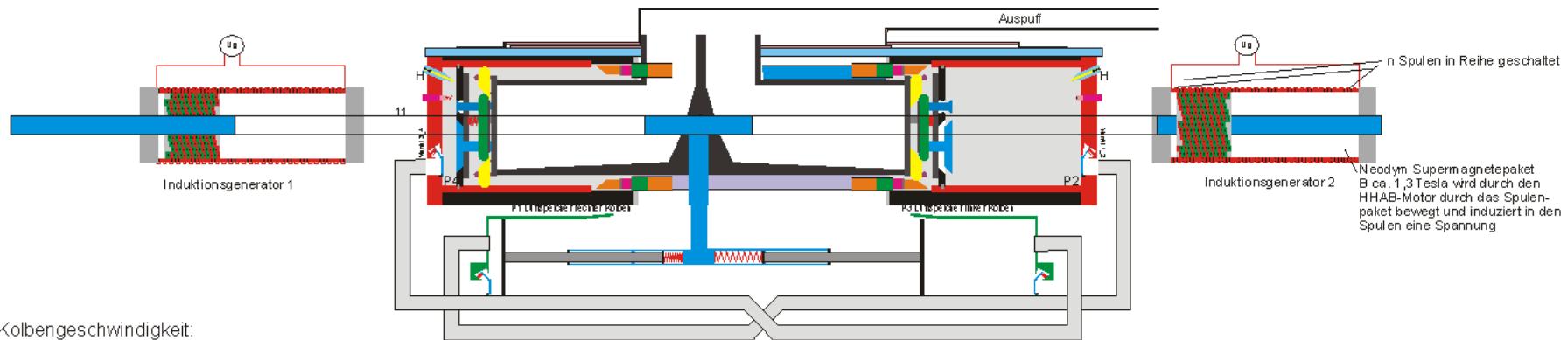
Höchste Kompression

Abgastemperatur ca. 450°C



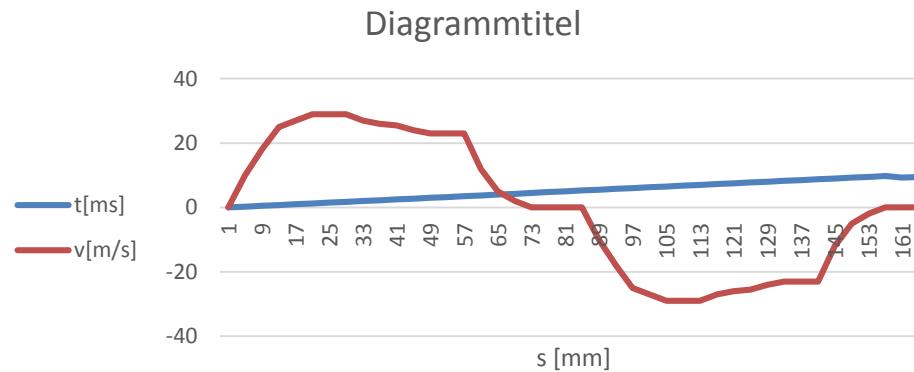
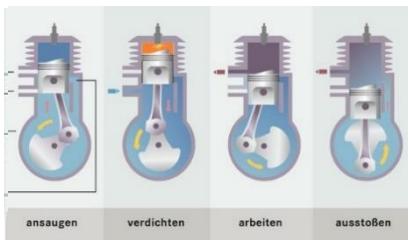
Abgase entweichen

Wasserstoffgemisch wird gezündet,
wenn der Kolben sich nach rechts bewegt

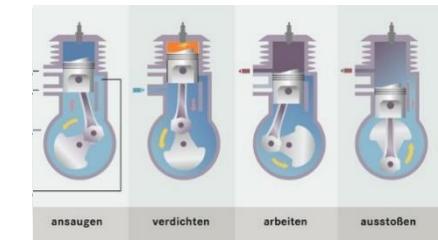


Kolbengeschwindigkeit:

Abgastemperatur ca. 450°C

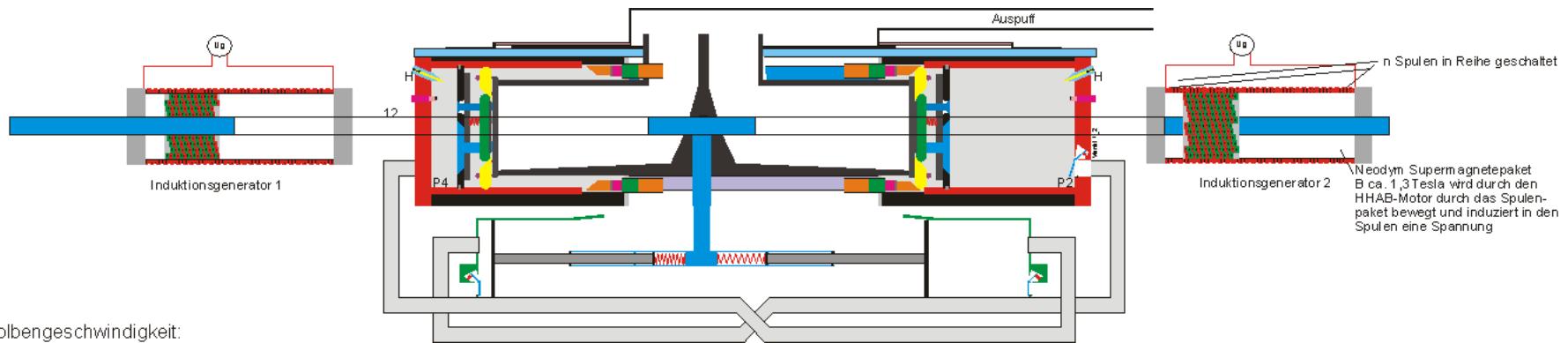


Wasserstoffgemisch wird
gezündet

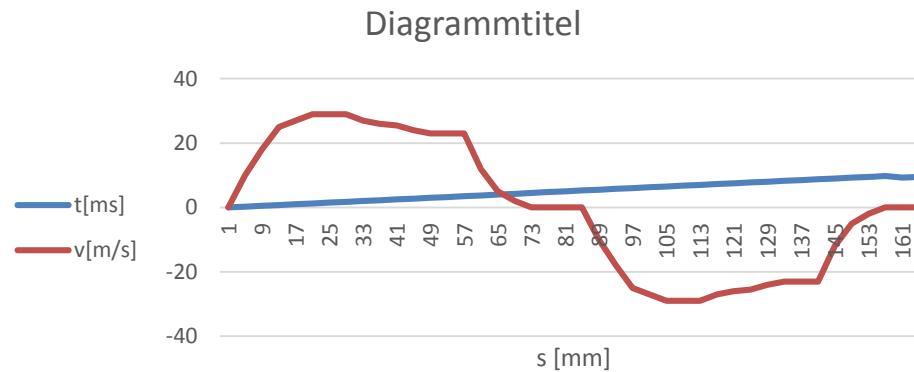
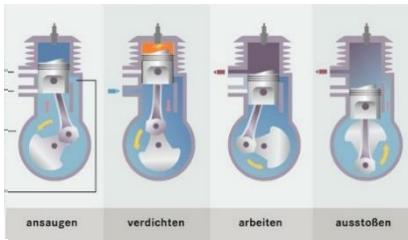


Abgase entweichen

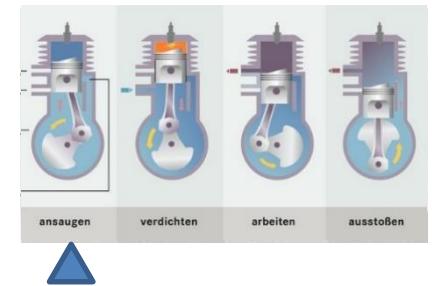
Ventil 1_2 wird automatisch geöffnet, wenn der Luftdruck $P1 > P2$ ist



Kolbengeschwindigkeit:



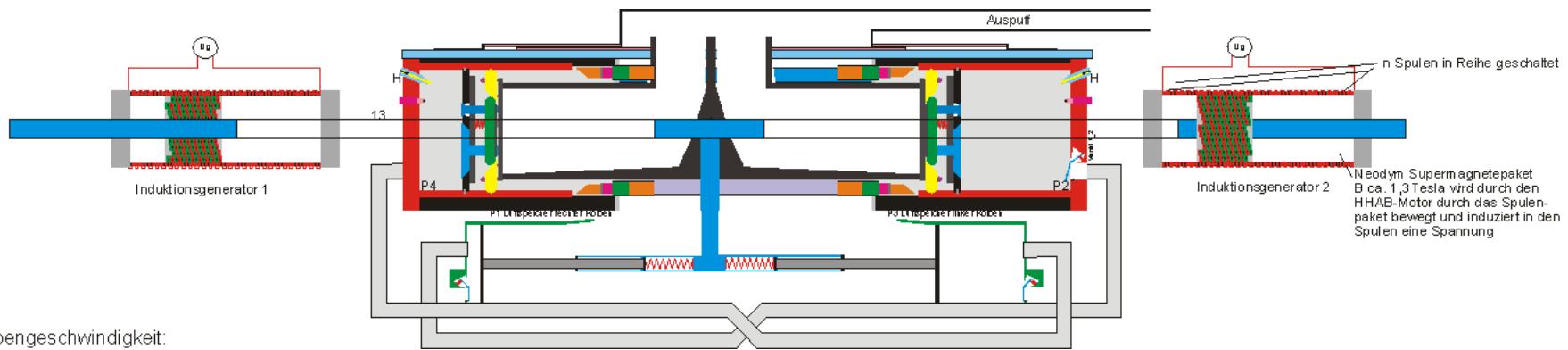
Kolben erzeugt Energie



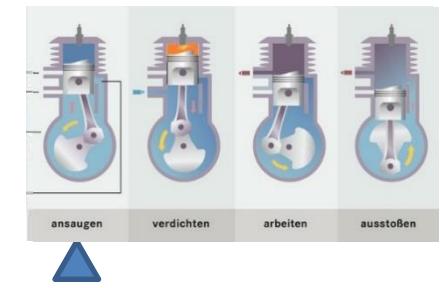
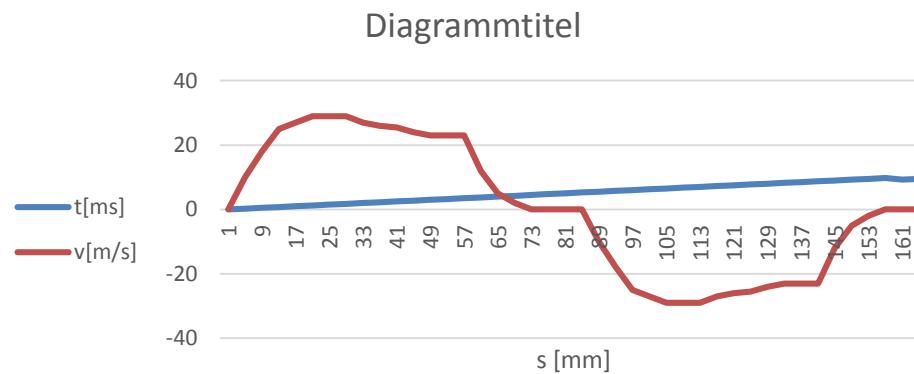
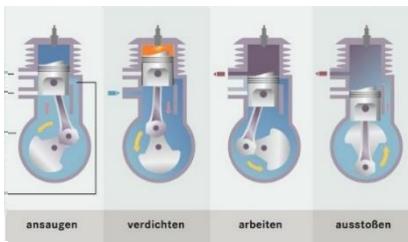
Frischluft für Lambda 2

Kolben wird gespült

Ventil 1_2 bleibt geöffnet solange
der Luftdruck $P1 > P2$ ist



Kolbengeschwindigkeit:

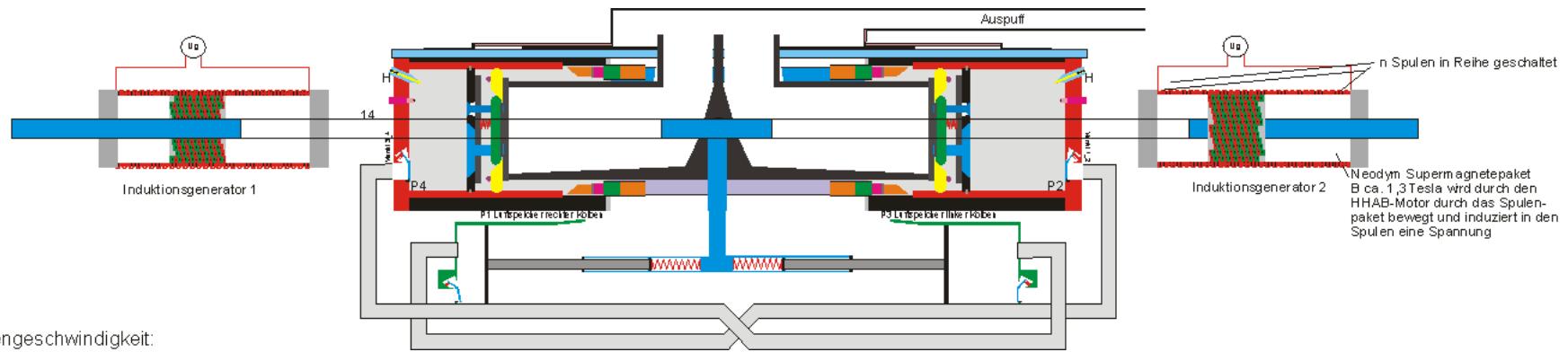


Frischluft für Lambda 2

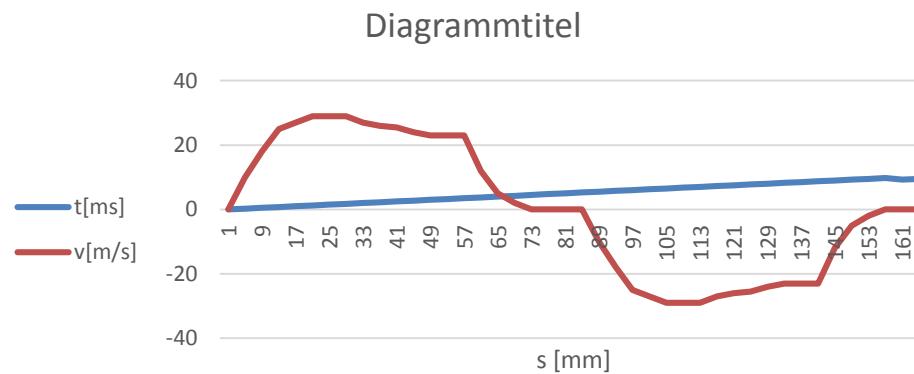
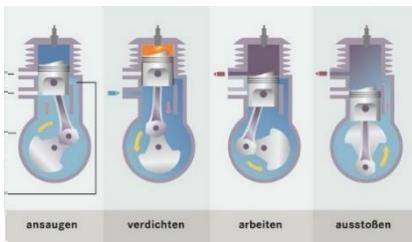
Kolben erzeugt Energie

Kolben wird gespült

Ventil 1_2 wird automatisch geschlossen, wenn der Luftdruck $P_1 < P_2$ ist

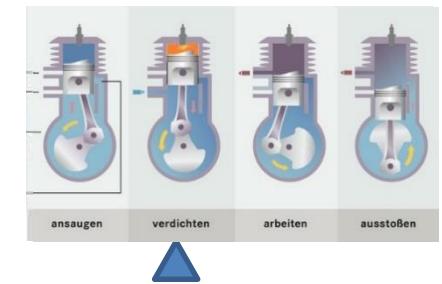


Kolbengeschwindigkeit:

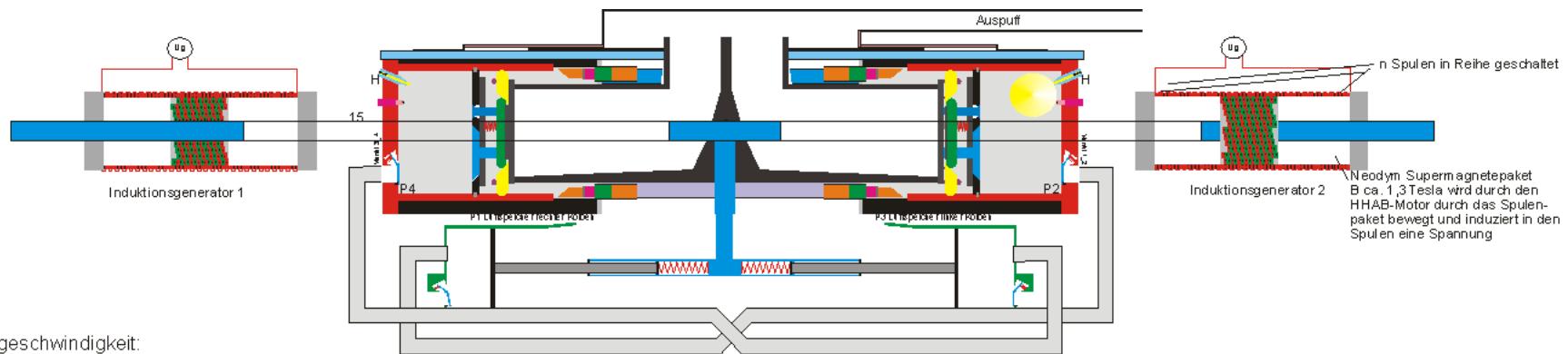


Kolben erzeugt Energie

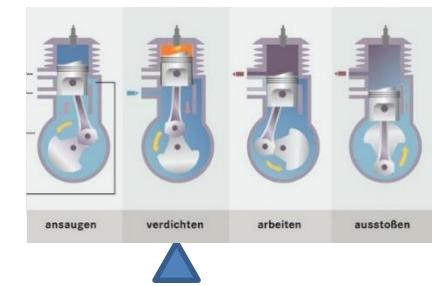
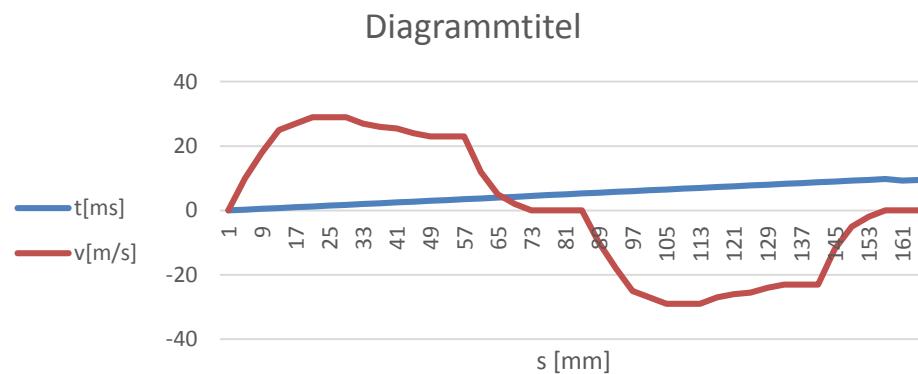
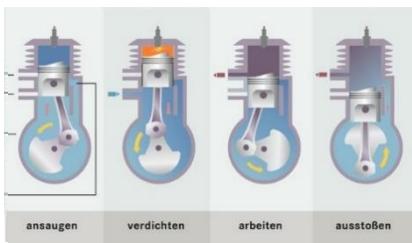
Luft wird komprimiert



Wasserstoff für Lambda 2

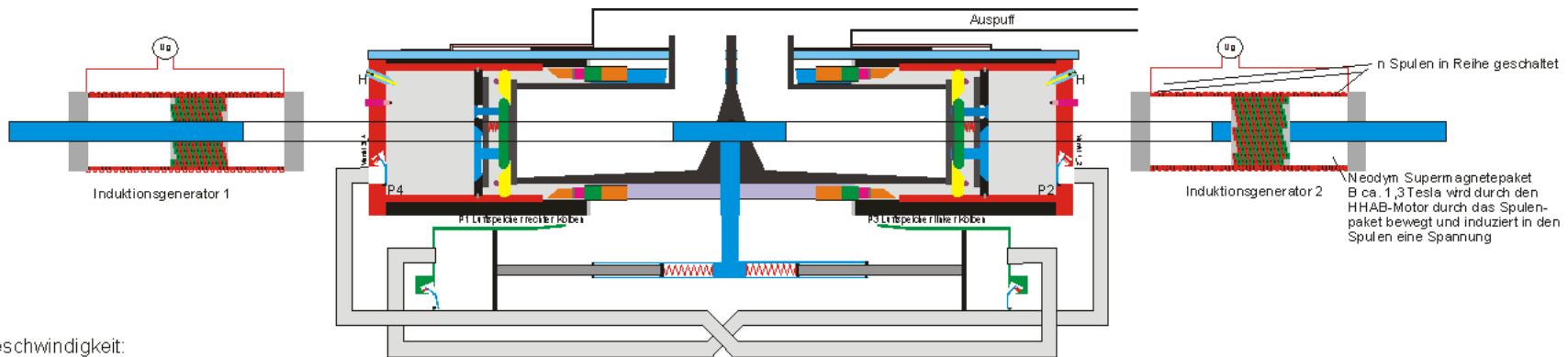


Kolbengeschwindigkeit:

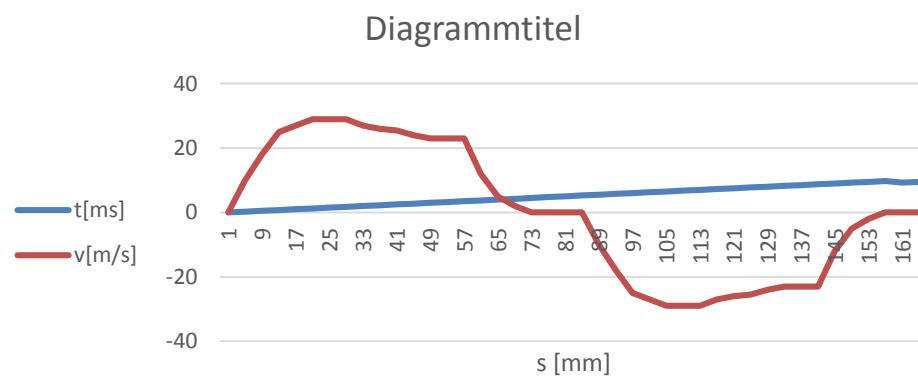
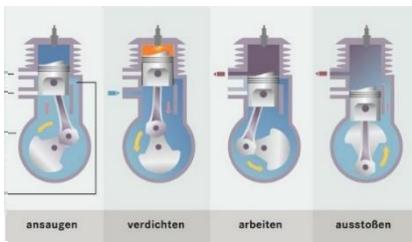


Kolben erzeugt Energie

Wasserstoff wird eingespritzt

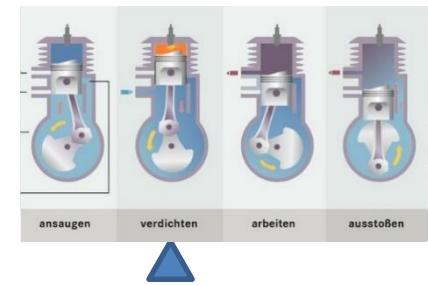


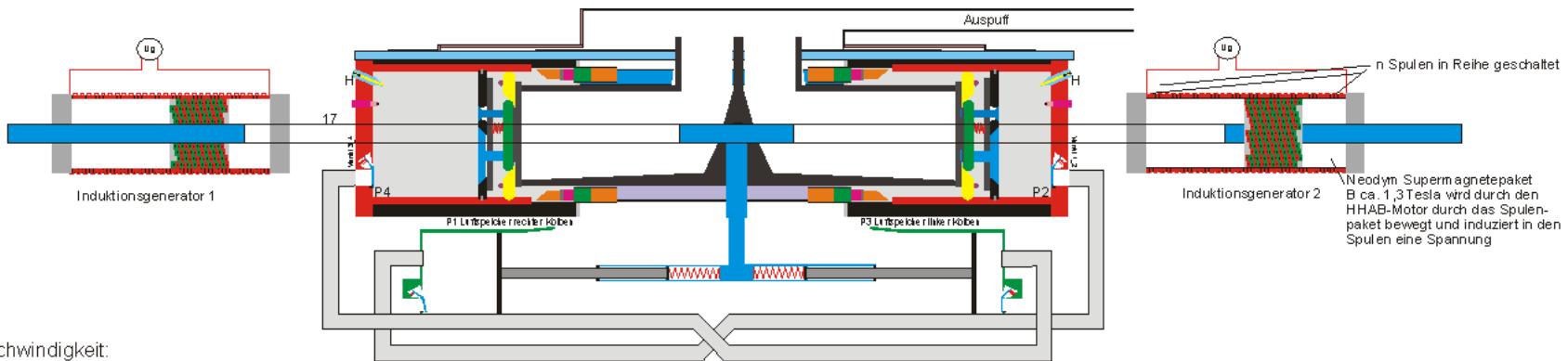
Kolbengeschwindigkeit:



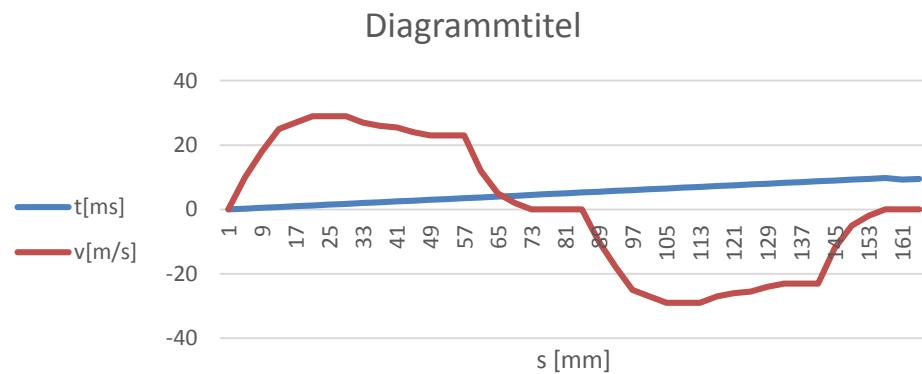
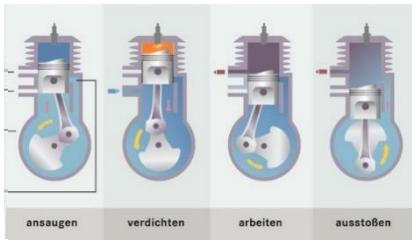
Kolben erzeugt Energie

Gemisch wird komprimiert

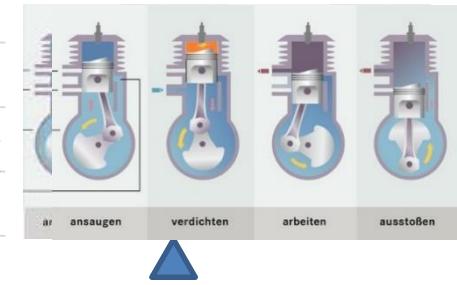




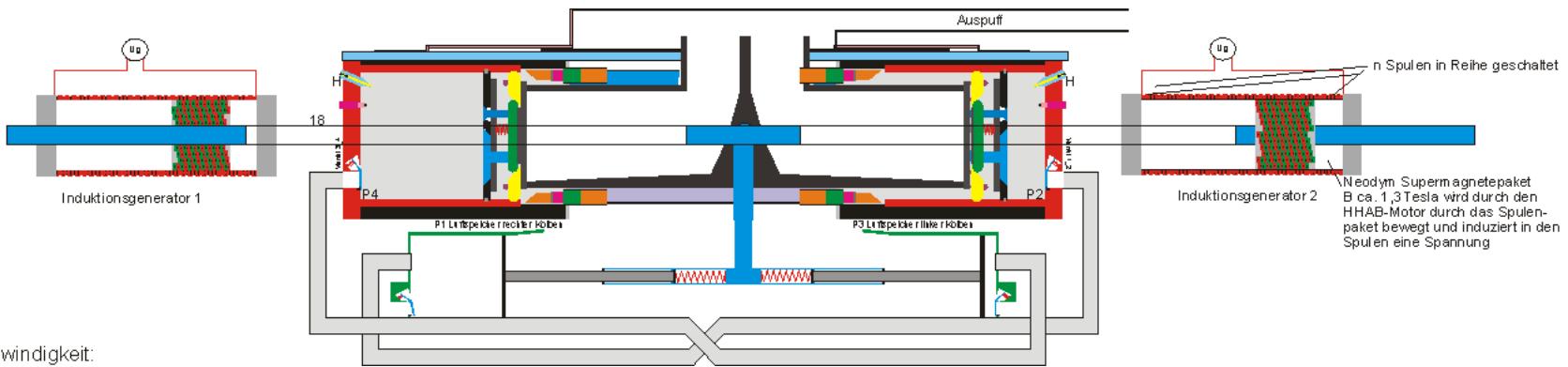
Kolbengeschwindigkeit:



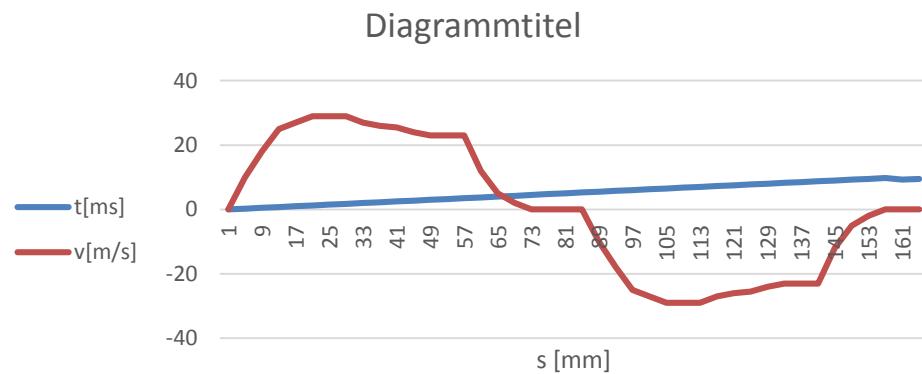
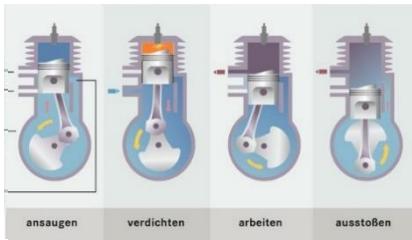
Kolben erzeugt Energie



Gemisch wird komprimiert

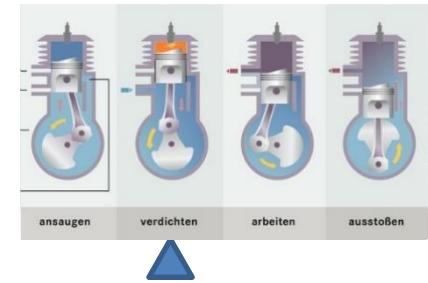


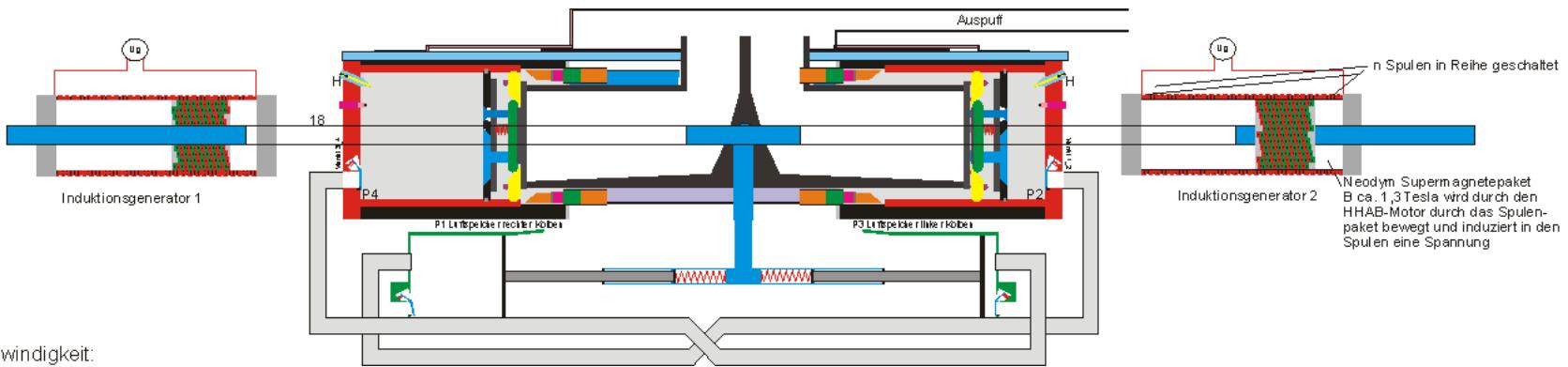
Kolbengeschwindigkeit:



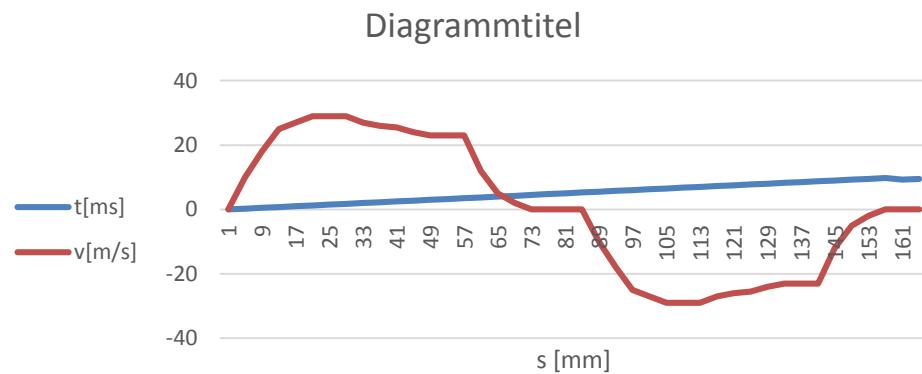
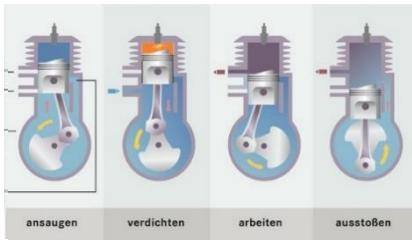
Kolben erzeugt Energie

Gemisch wird komprimiert



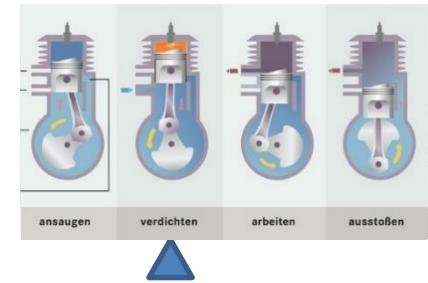


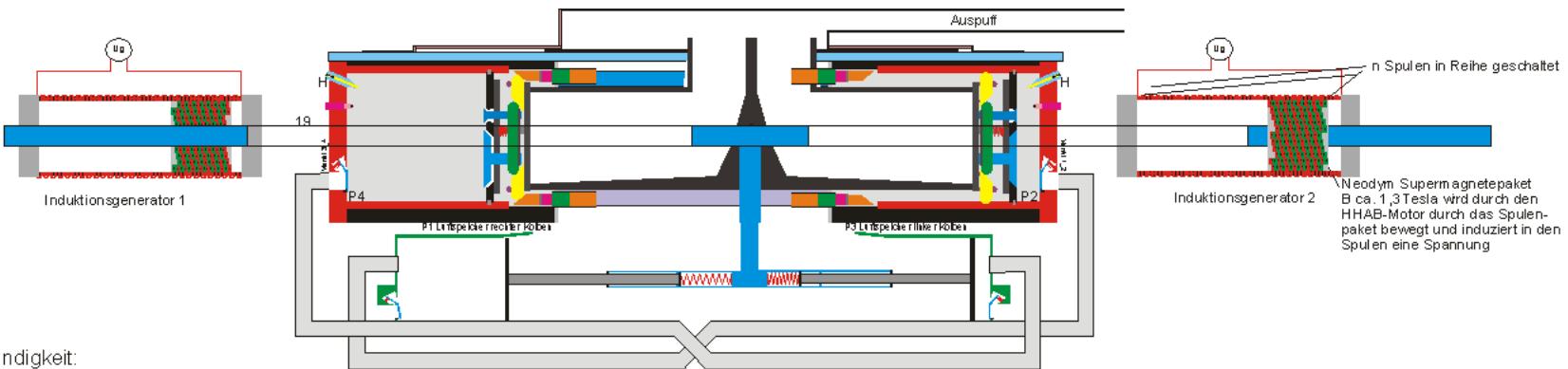
Kolbengeschwindigkeit:



Kolben erzeugt Energie

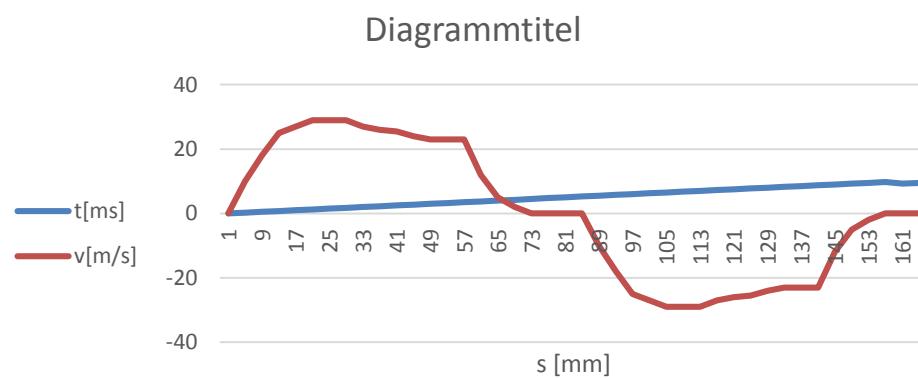
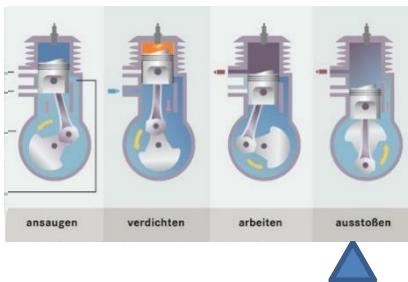
Gemisch wird komprimiert





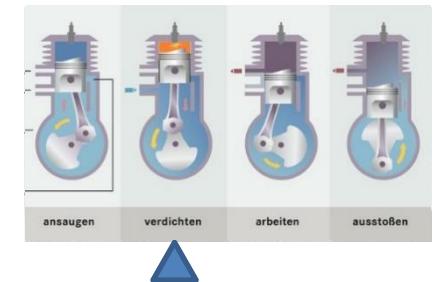
Kolbengeschwindigkeit:

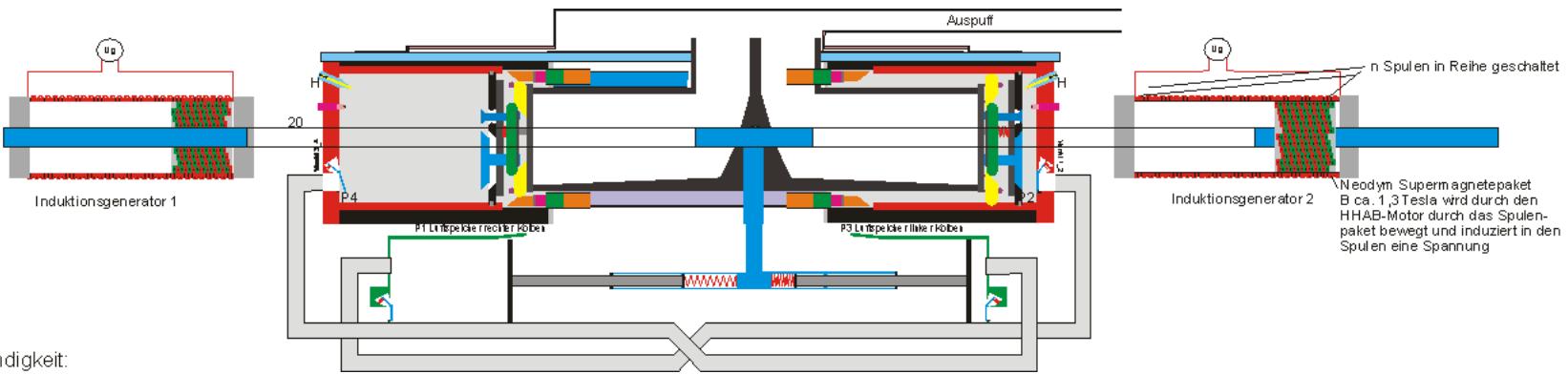
Abgastemperatur ca. 450°C



Kolben erzeugt Energie

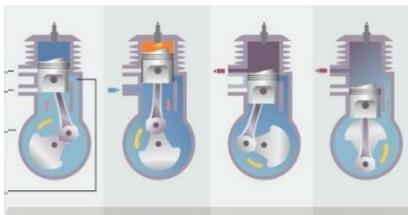
Gemisch wird komprimiert



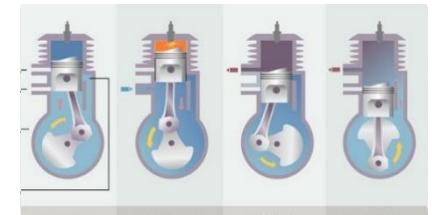
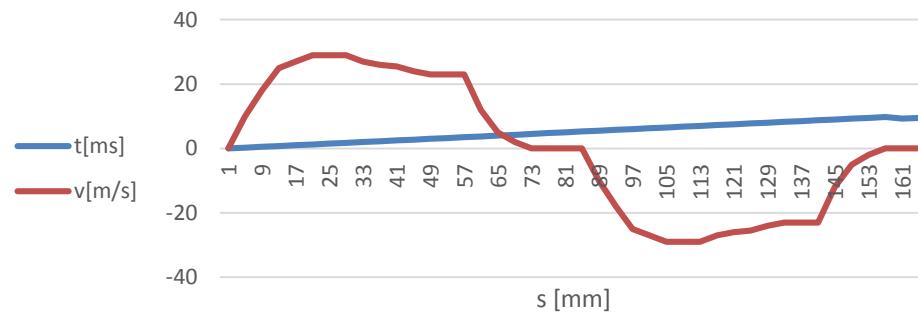


Kolbengeschwindigkeit:

Abgastemperatur ca. 450°C



Diagrammtitel



Abgase entweichen

Höchste Kompression