

## SpaceLogic PIBCV Declaration of Performance

### Valve Sizes: DN10 to DN50

This document is a summarised declaration of performance in respect of the flow curves in the Schneider-Electric DN10-DN50 SpaceLogic PIBCV Pressure Independent Balance and Control Valve.

#### Valves included:

VP228E-10BQL / VP228E-10BQLNT	(DN10 Low Flow)
VP228E-10BQS / VP228E-10BQSNT	(DN10 Standard Flow)
VP228E-15BQL / VP228E-15BQLNT	(DN15 Low Flow)
VP228E-15BQS / VP228E-15BQSNT	(DN15 Standard Flow)
VP229E-15BQHNT	(DN15 High Flow)
VP228E-20BQS / VP228E-20BQSNT	(DN20 Standard Flow)
VP229E-20BQHNT	(DN20 High Flow)
VP229E-25BSS / VP229E-20BQSNT	(DN25 Standard Flow)
VP229E-25BQSHT	(DN25 High Flow)
VP229E-32BQS / VP229E-32BQSNT	(DN32 Standard Flow)
VP229E-32BQHNT	(DN32 High Flow)
VP220E-40CQS	(DN40)
VP220E-50CQS	(DN50)
VP220F-50CQS	(DN50 Flanged)

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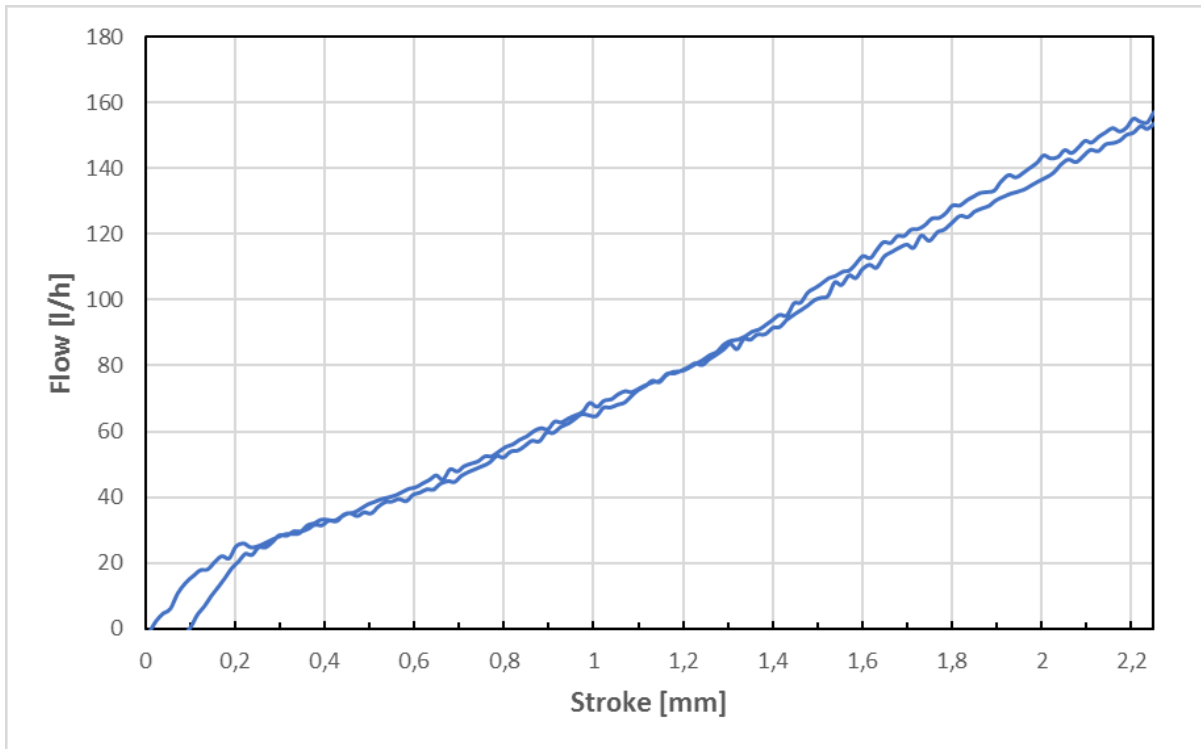
4<sup>th</sup> October 2021

Schneider-Electric  
October 2021

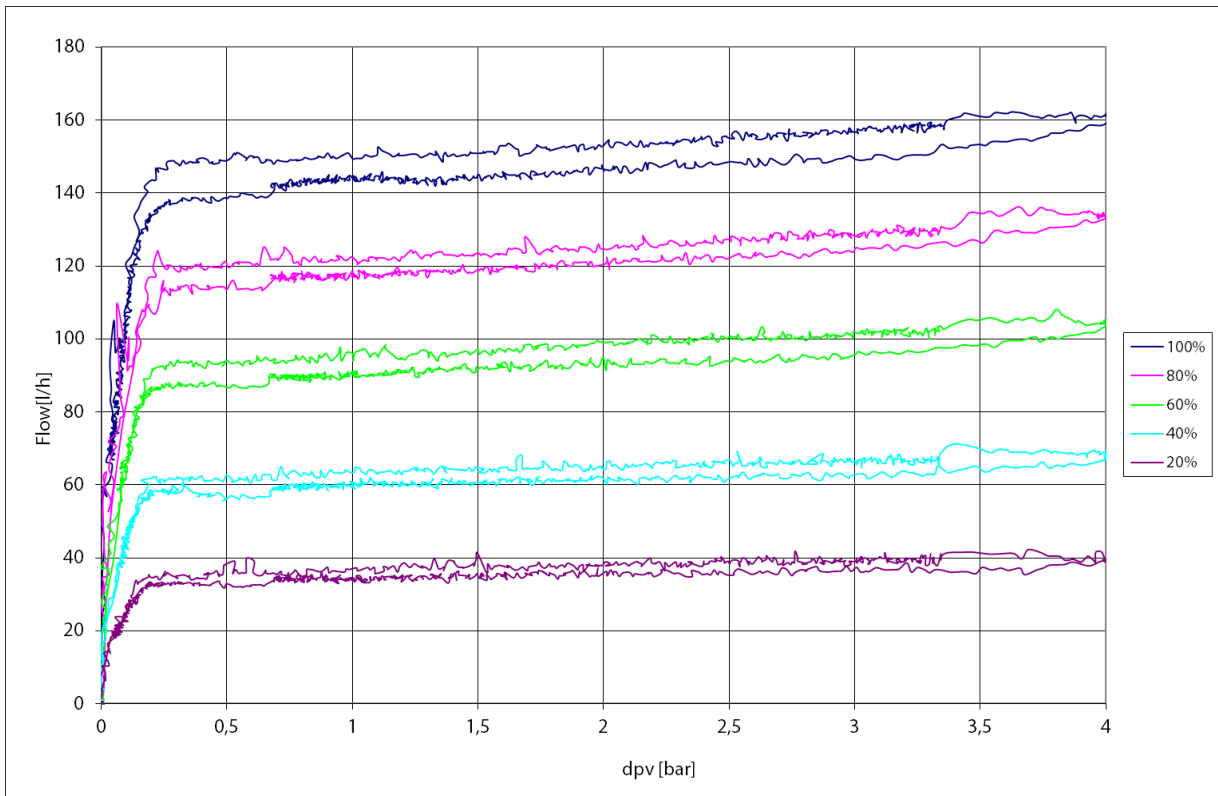
F-28130-2

## DN10 Low Flow

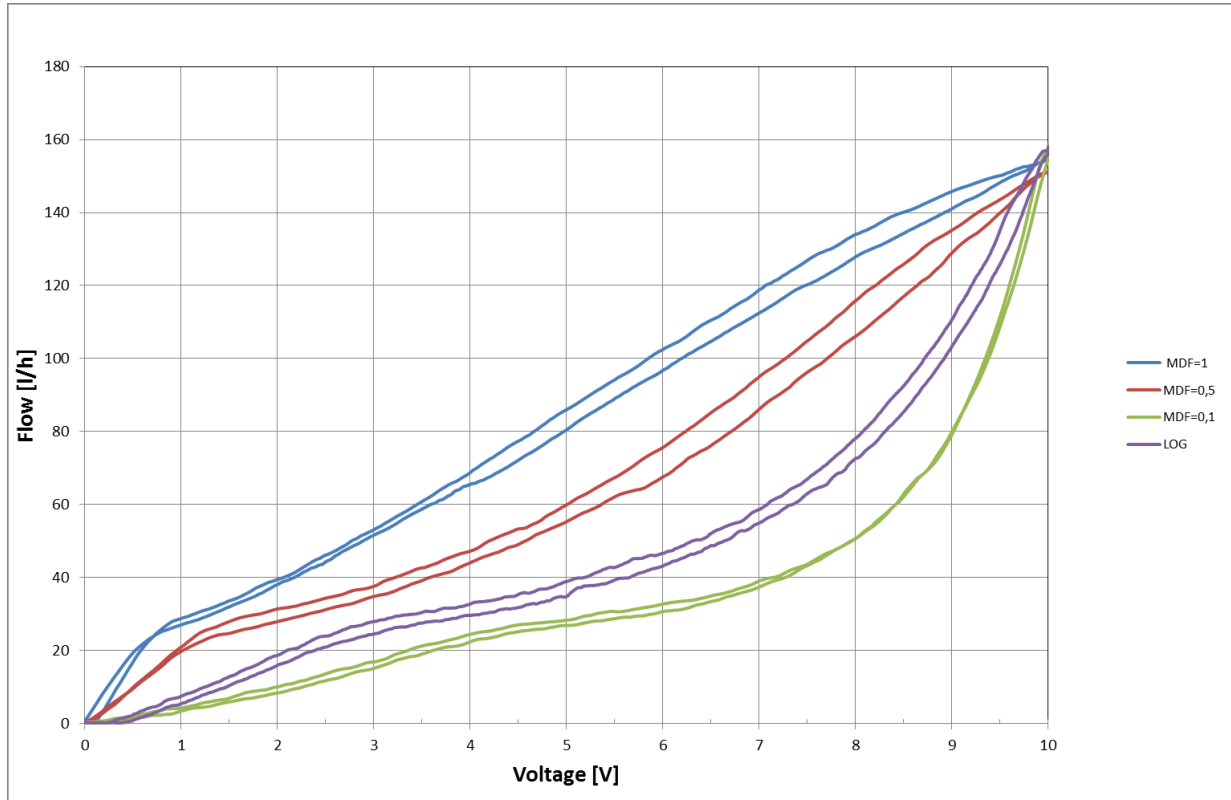
Flow characteristic



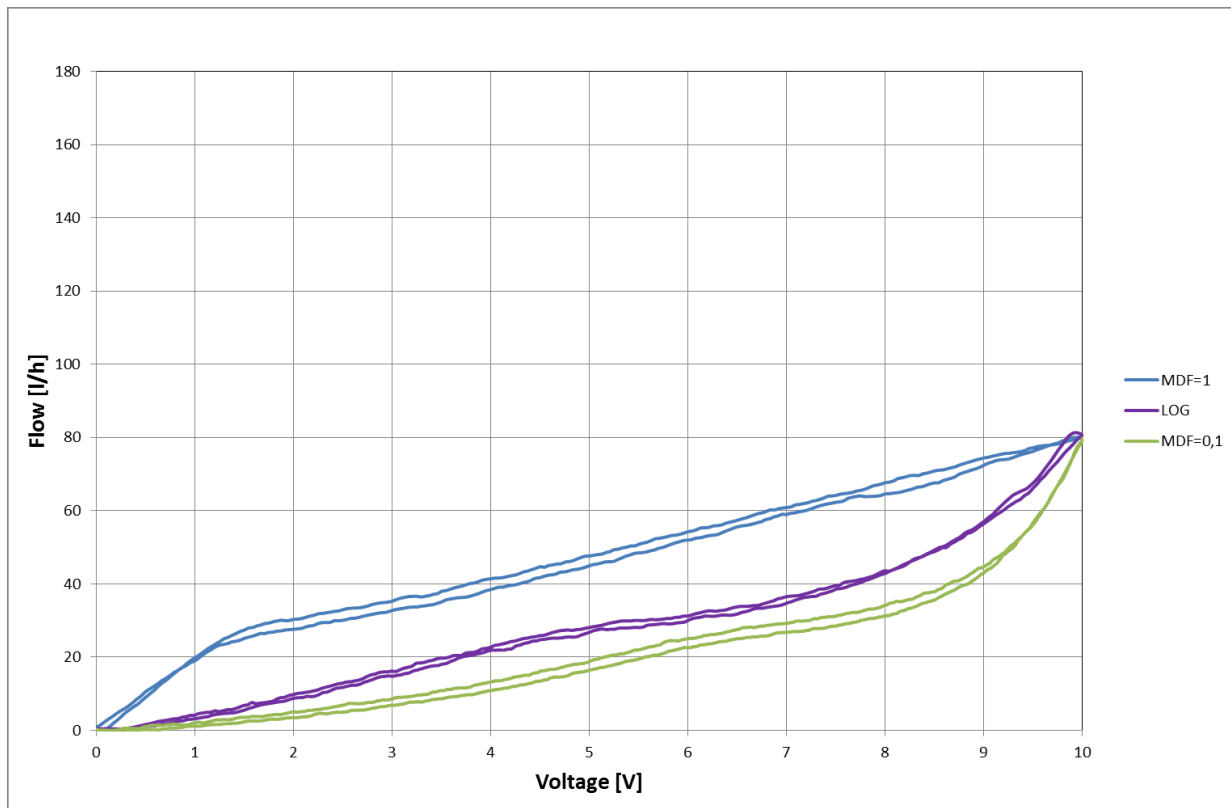
Flow Stability



### DN10 Low Flow with SpaceLogic SP90 @100% Setting

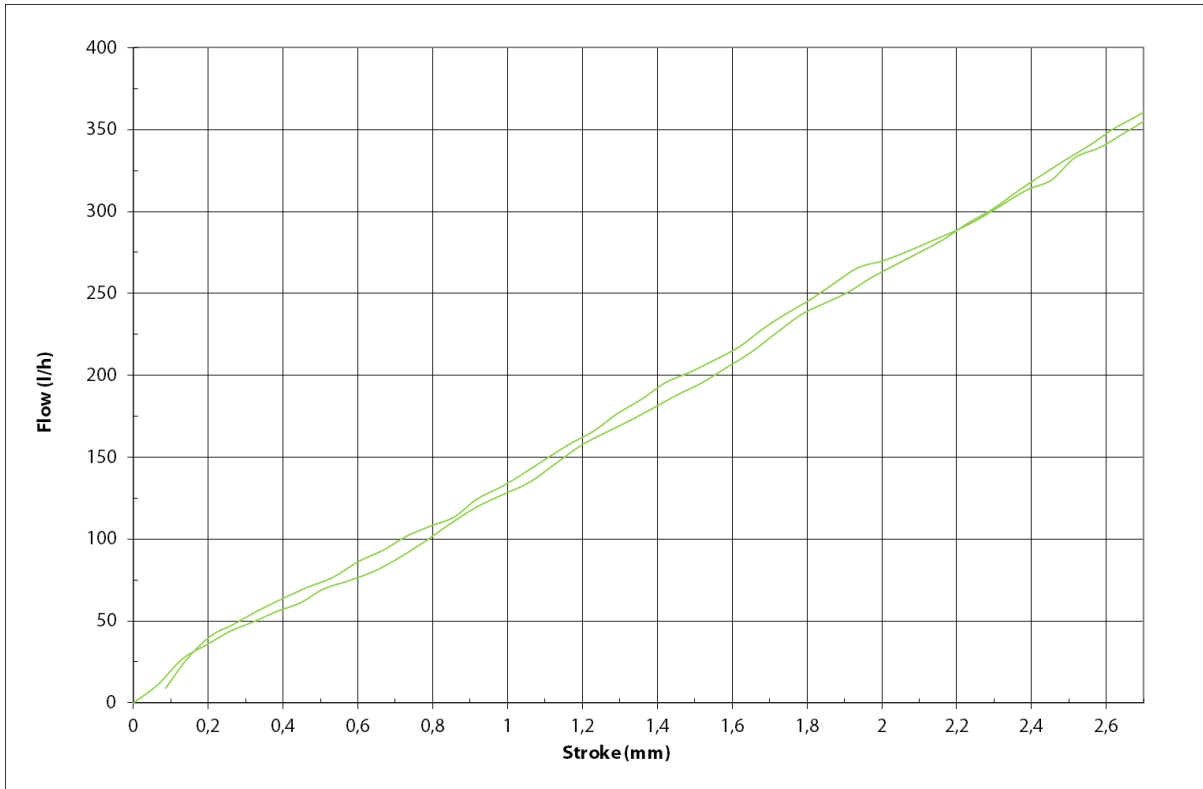


### DN10 Low Flow with SpaceLogic SP90 @50% Setting

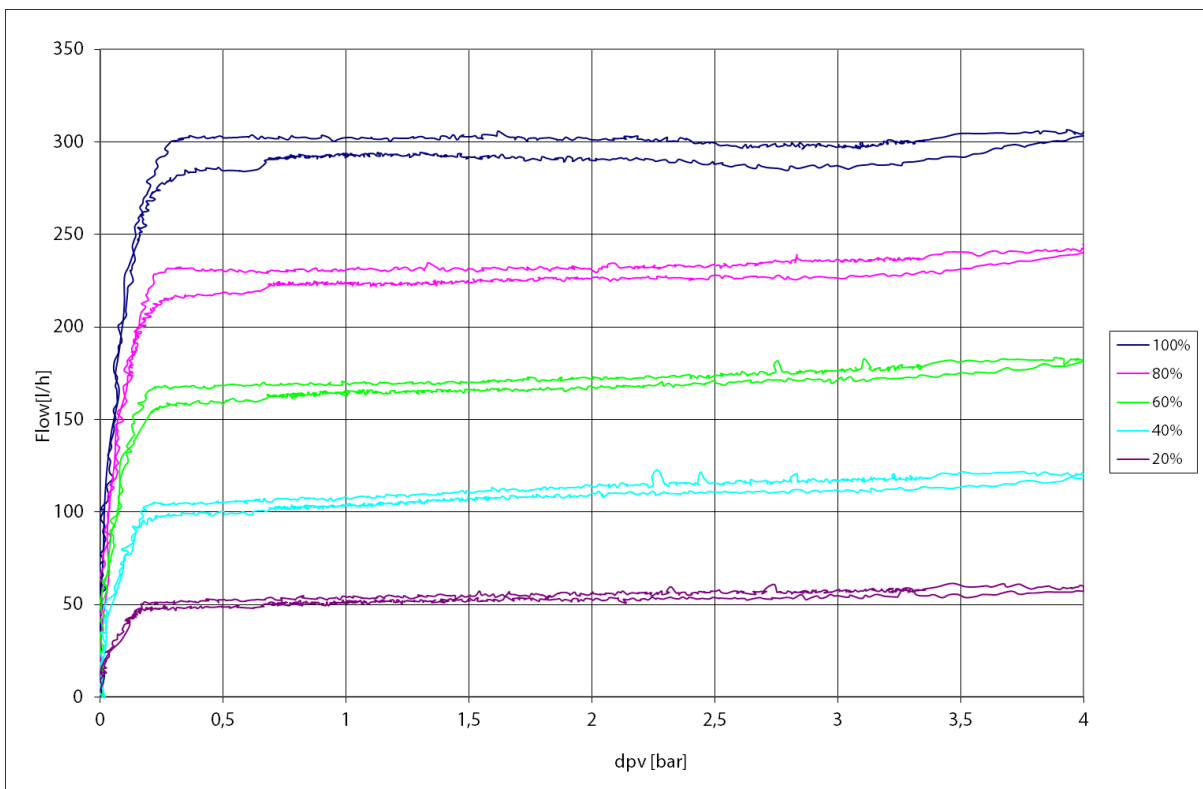


# DN10 Standard Flow

## Flow Characteristic

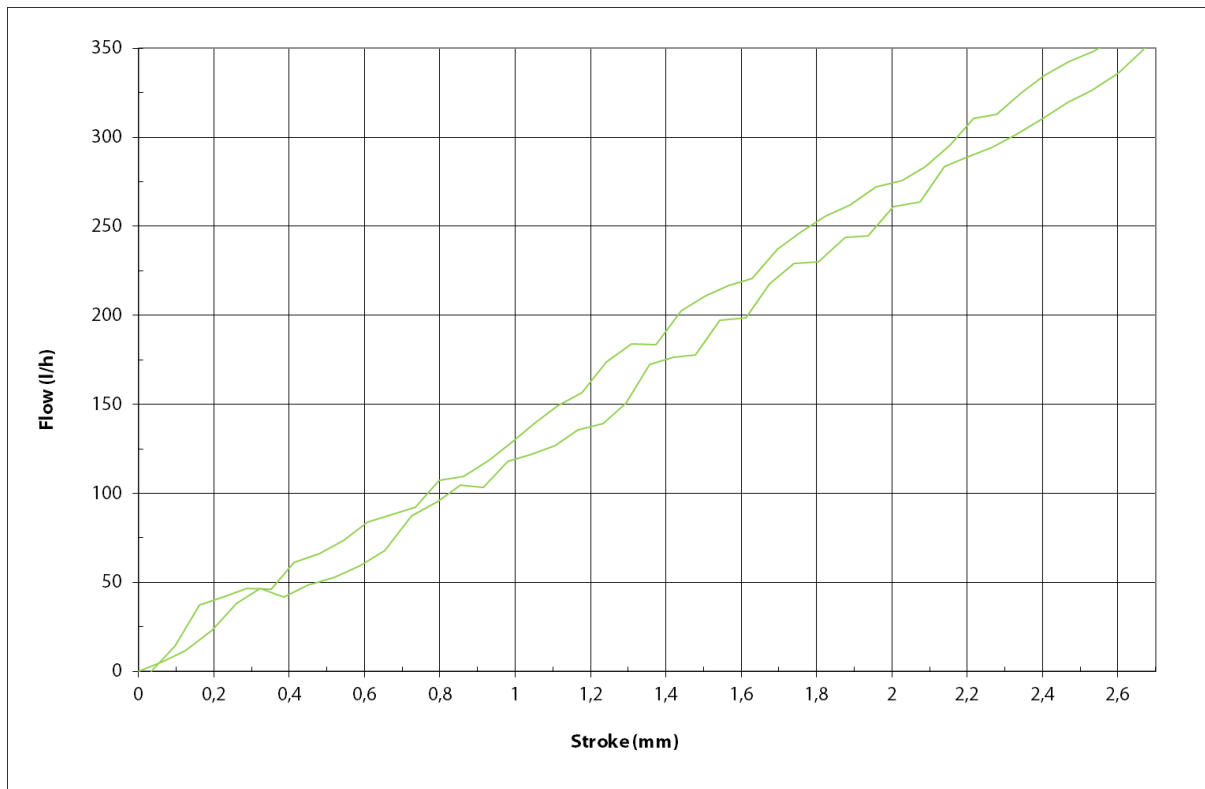


## Flow Stability

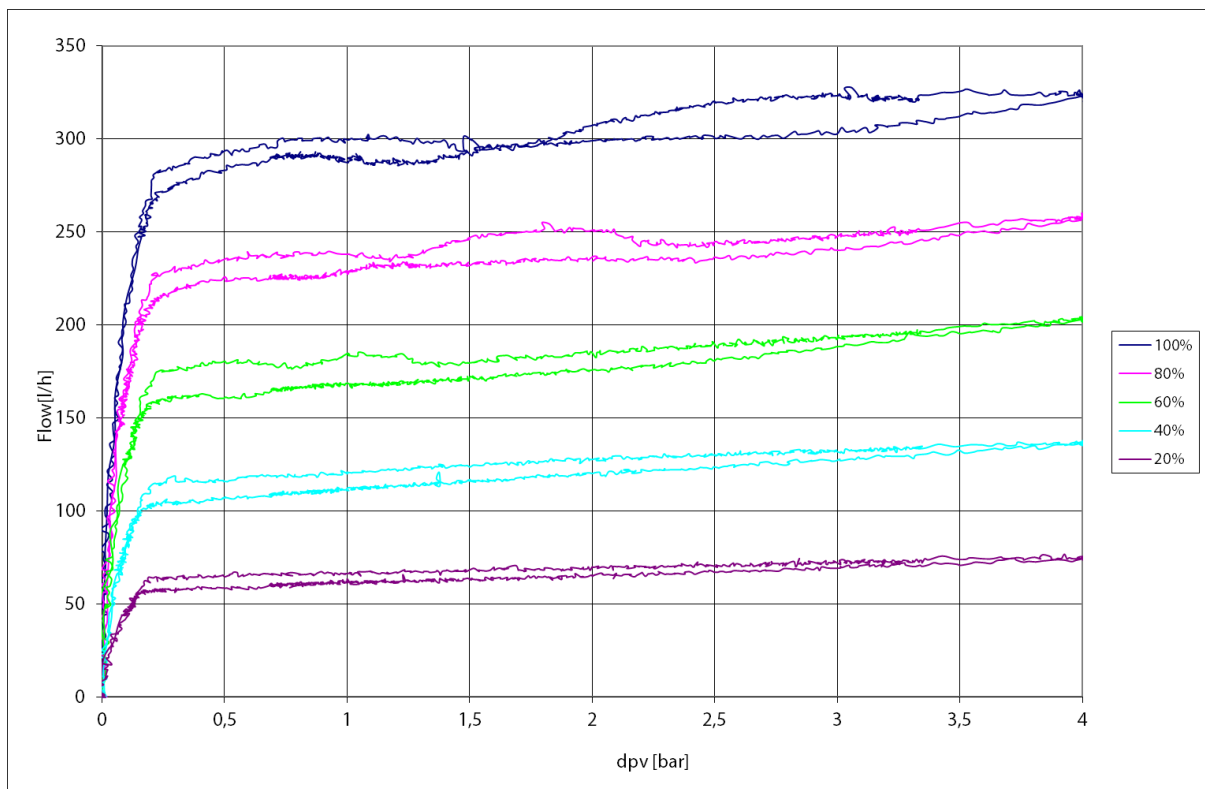


## DN15 Low Flow

### Flow Characteristic

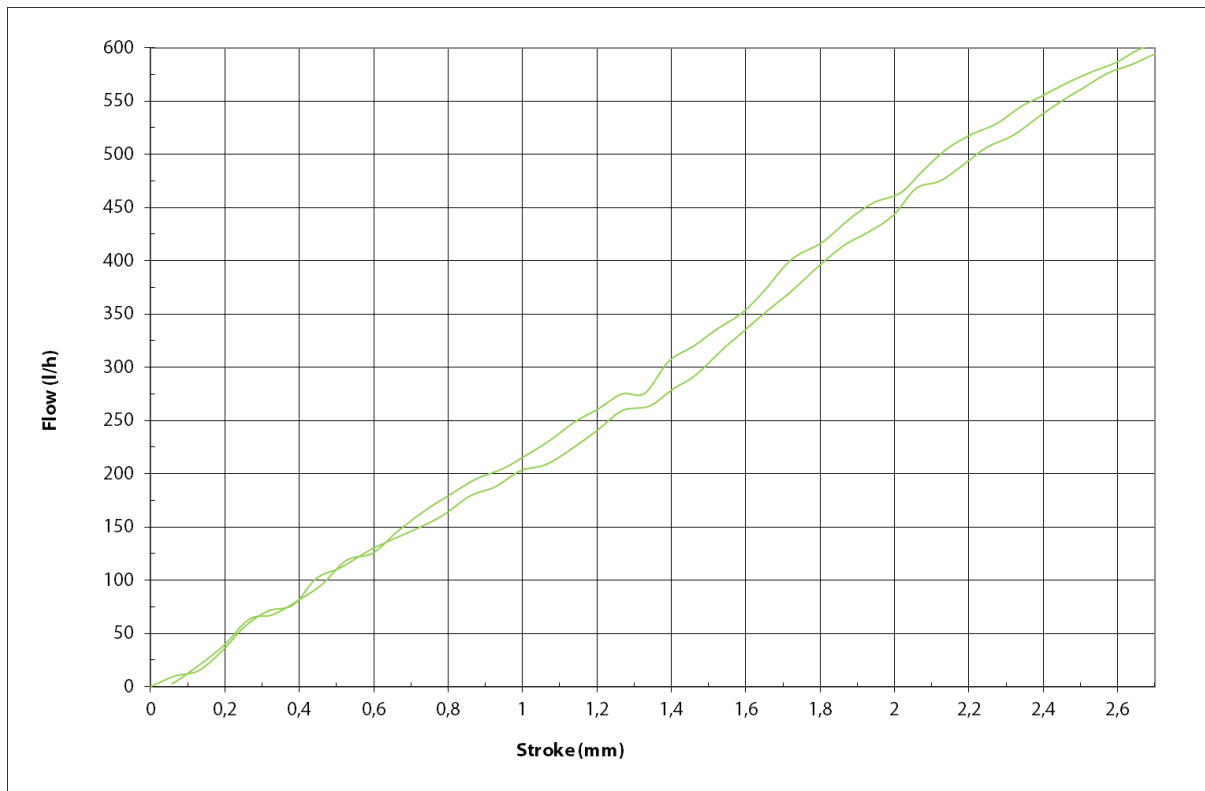


### Flow Stability

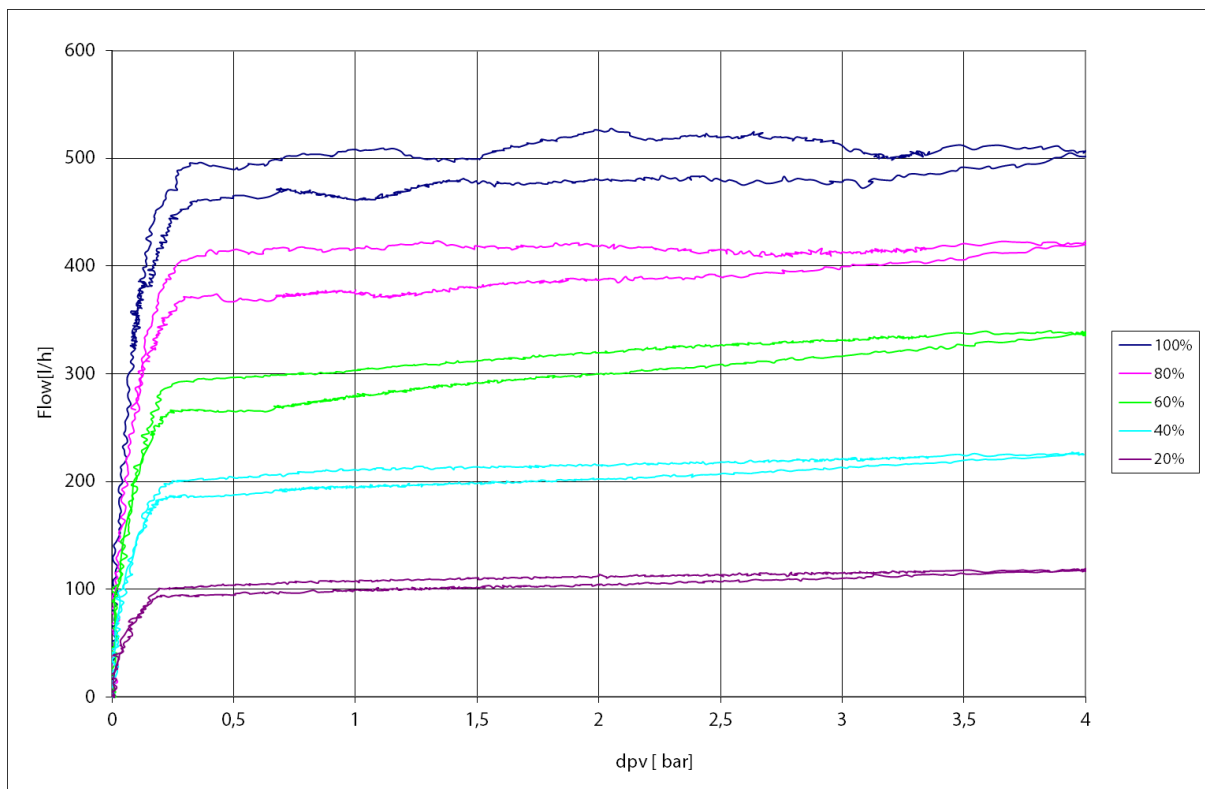


## DN15 Standard flow

### Flow Characteristic

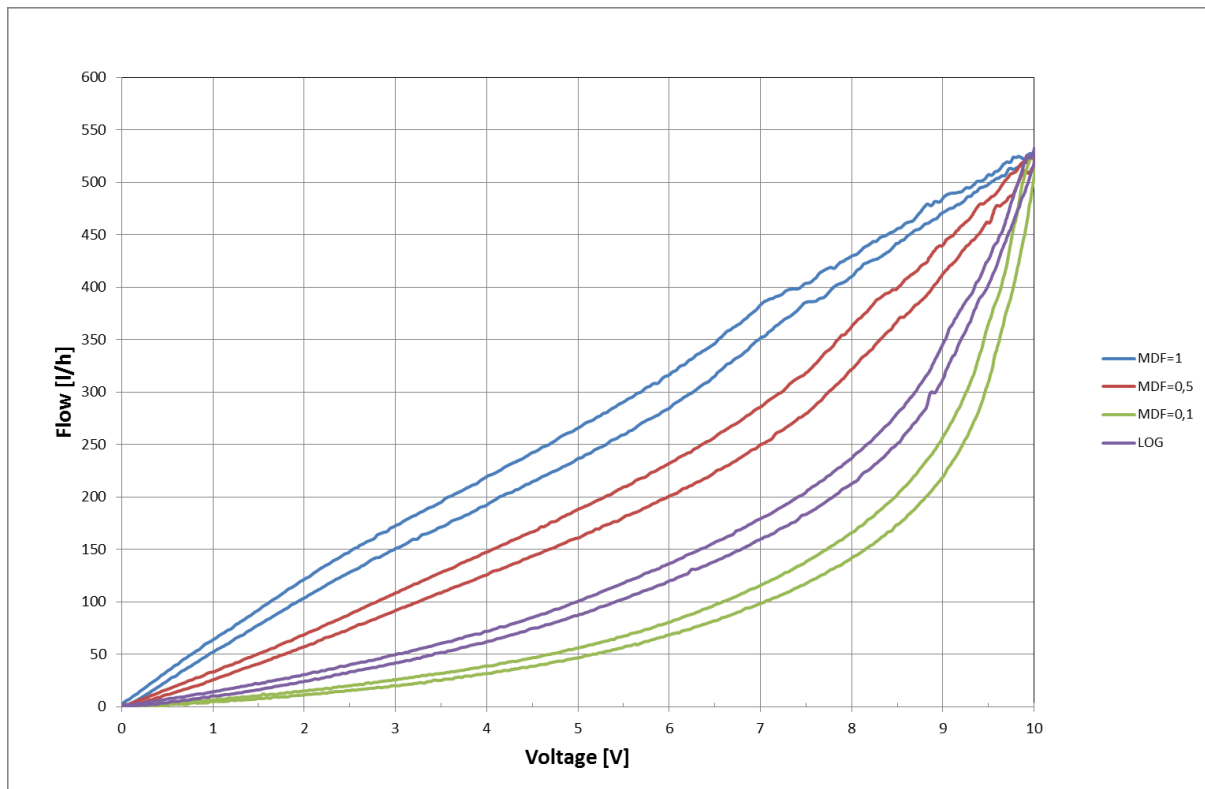


### Flow Stability

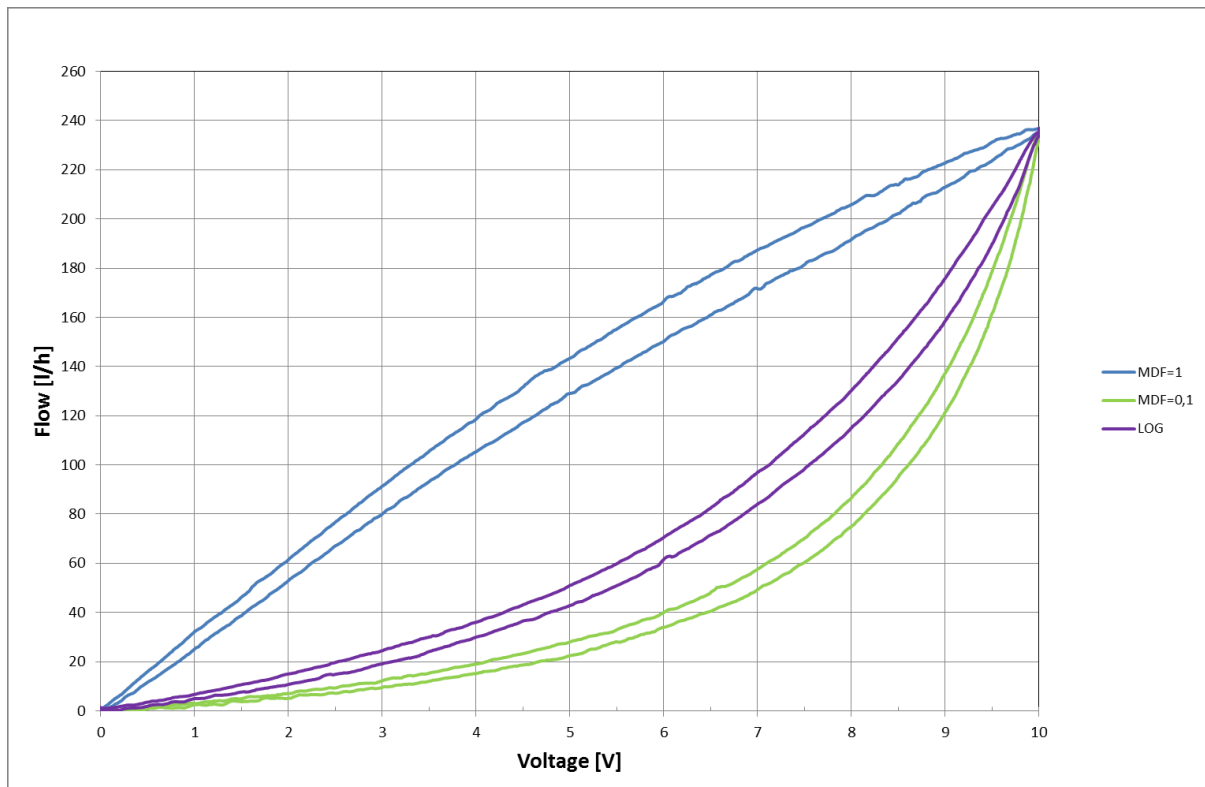


## DN15 Standard Flow, Continued.

DN15 Standard Flow with SpaceLogic SP90 @100% Setting

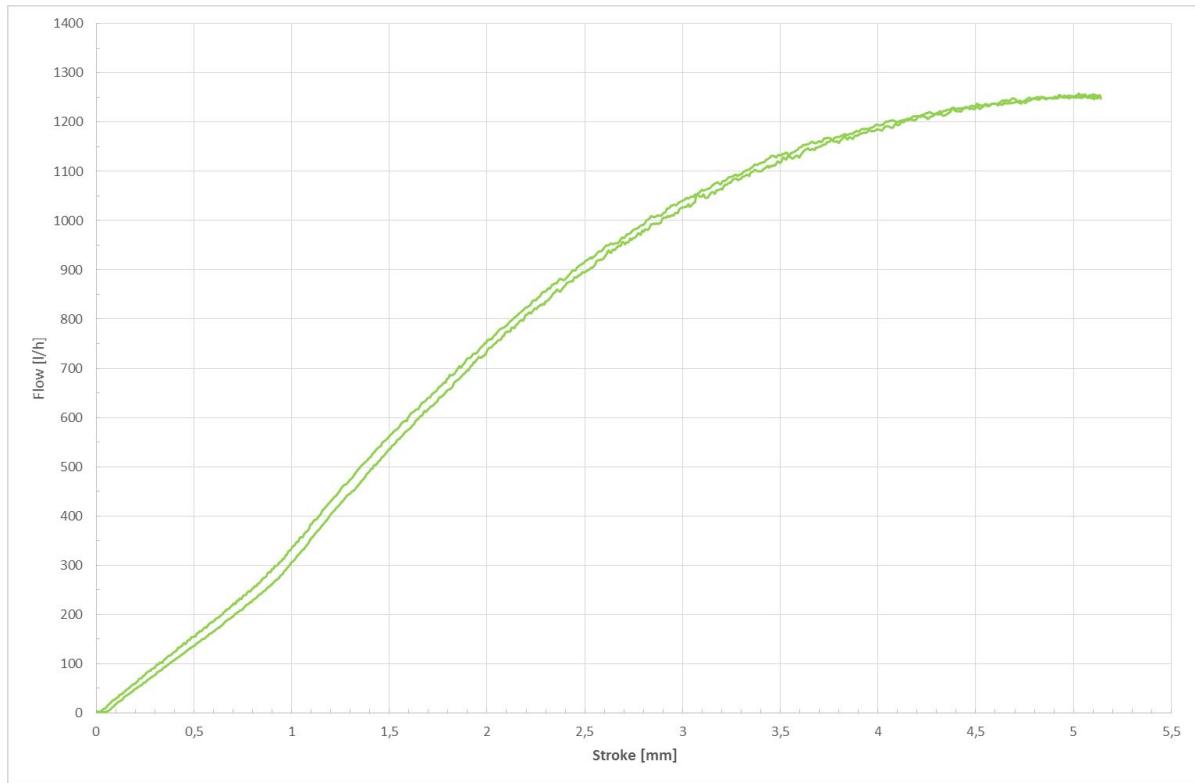


DN15 Standard Flow with SpaceLogic SP90 @50% Setting

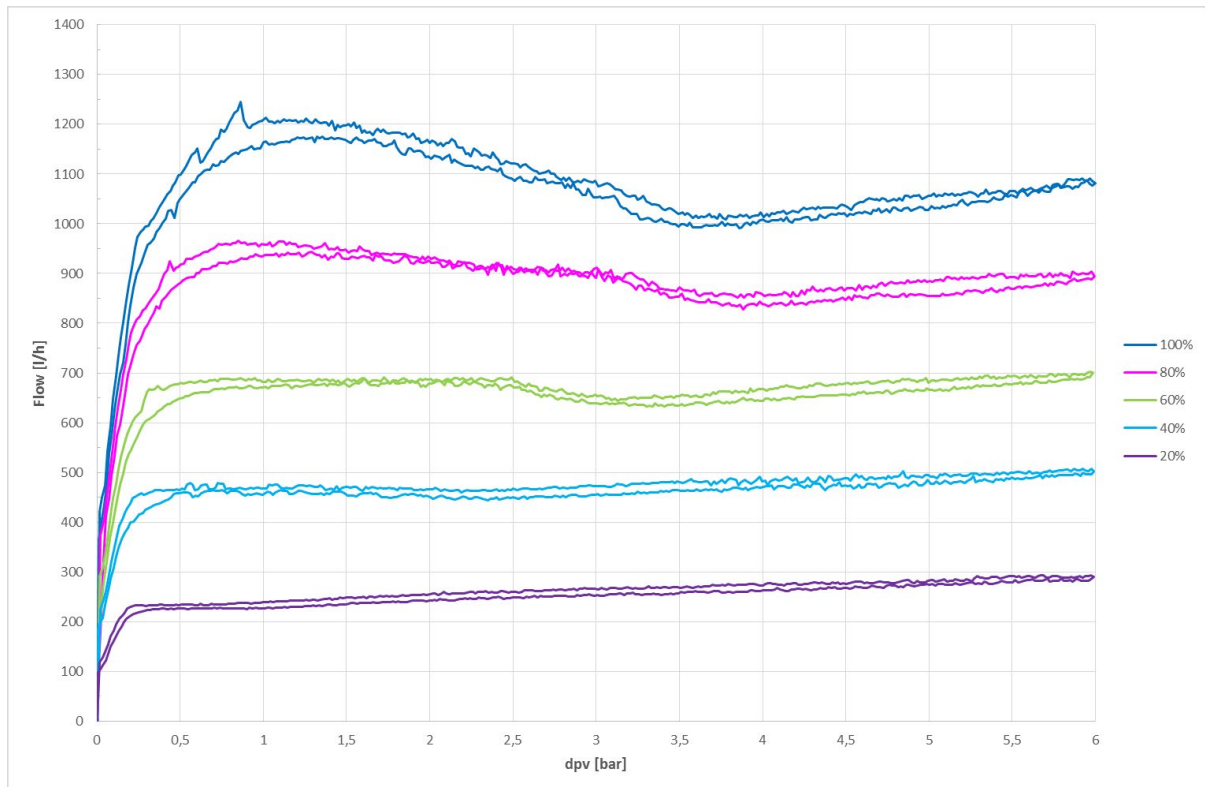


## DN15 High Flow

### Flow Characteristic



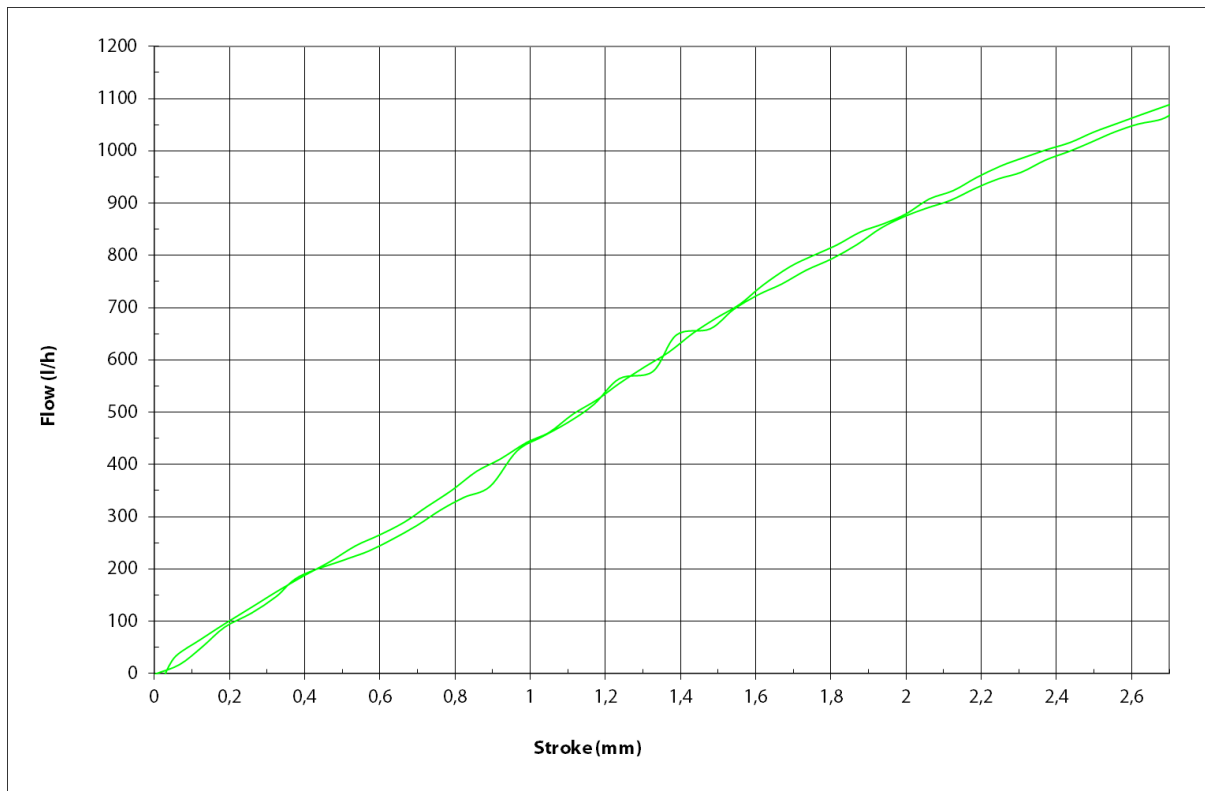
### Flow Stability



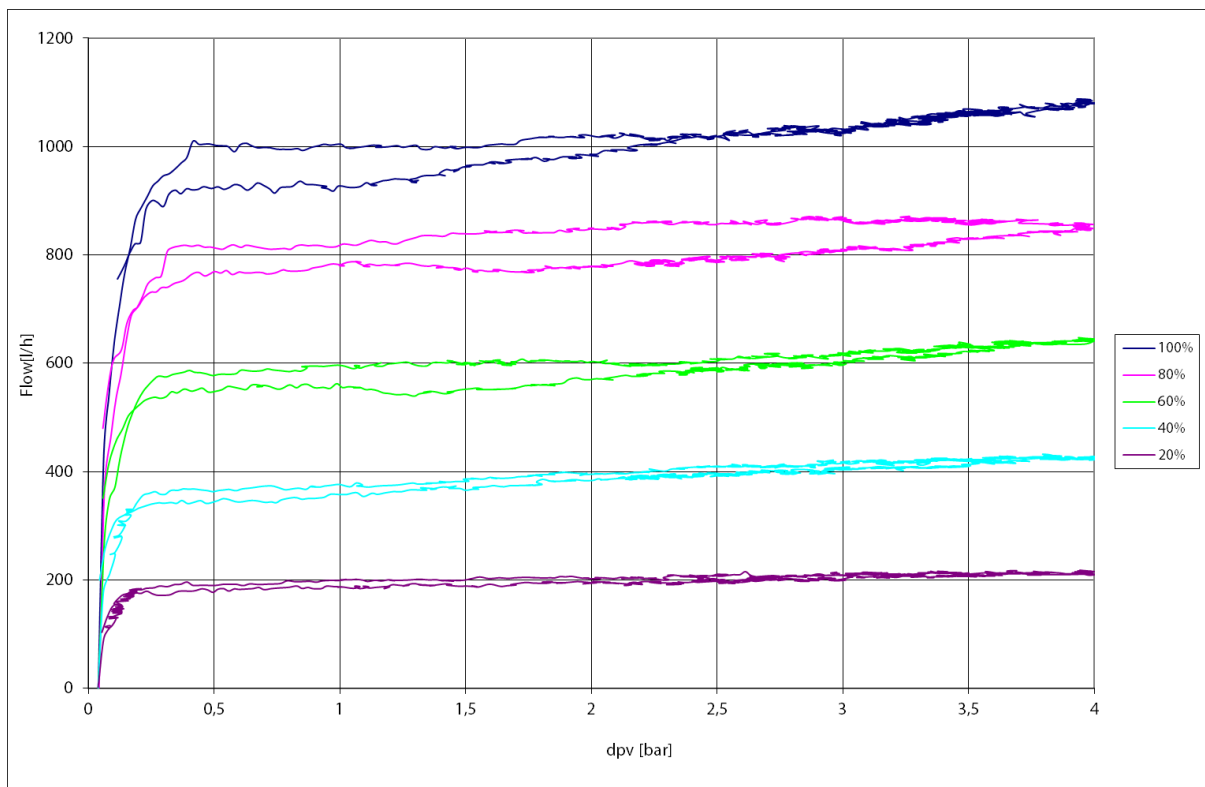


## DN20 Standard flow

### Flow Characteristic

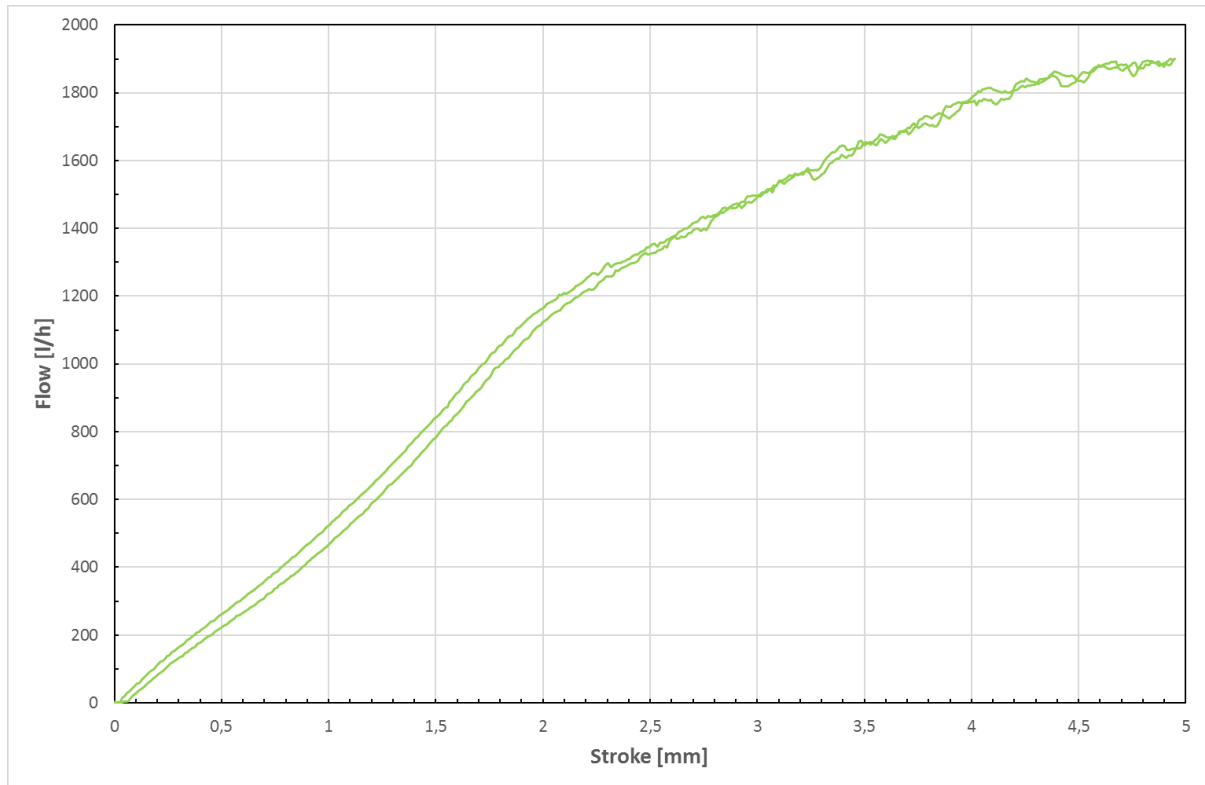


### Flow Stability

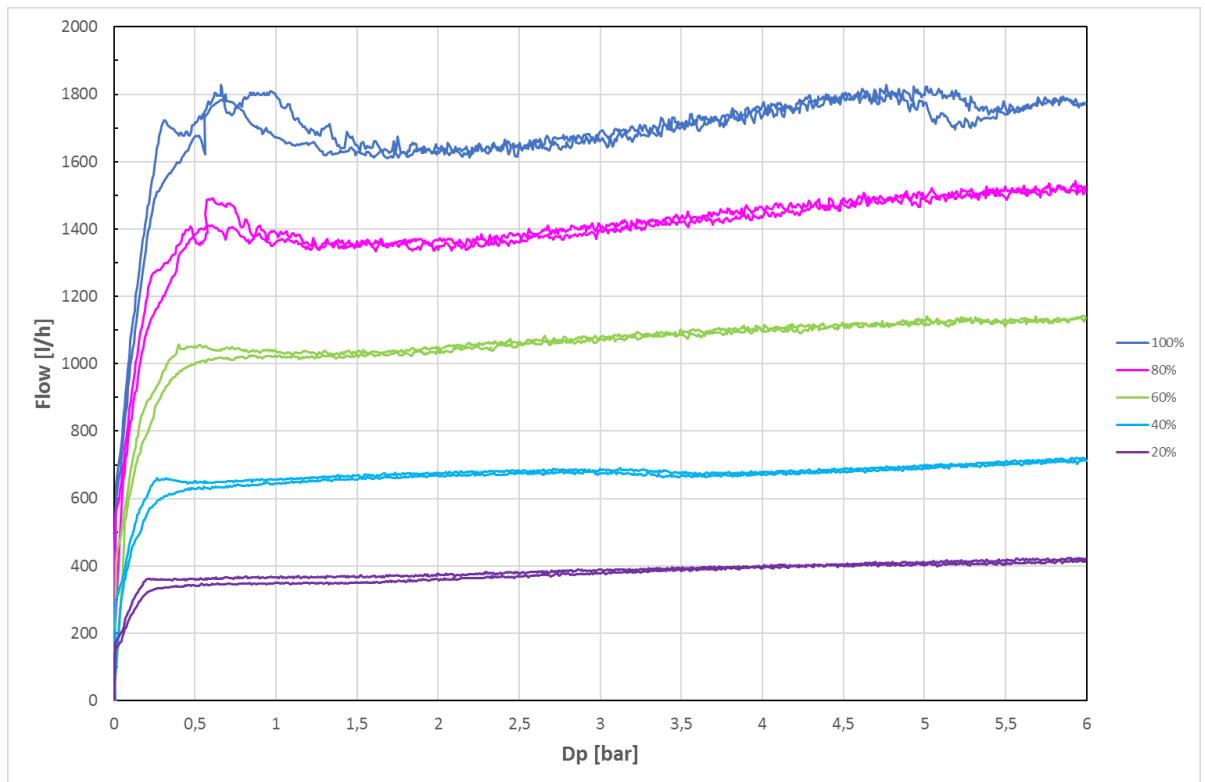


## DN20 High flow

### Flow characteristic

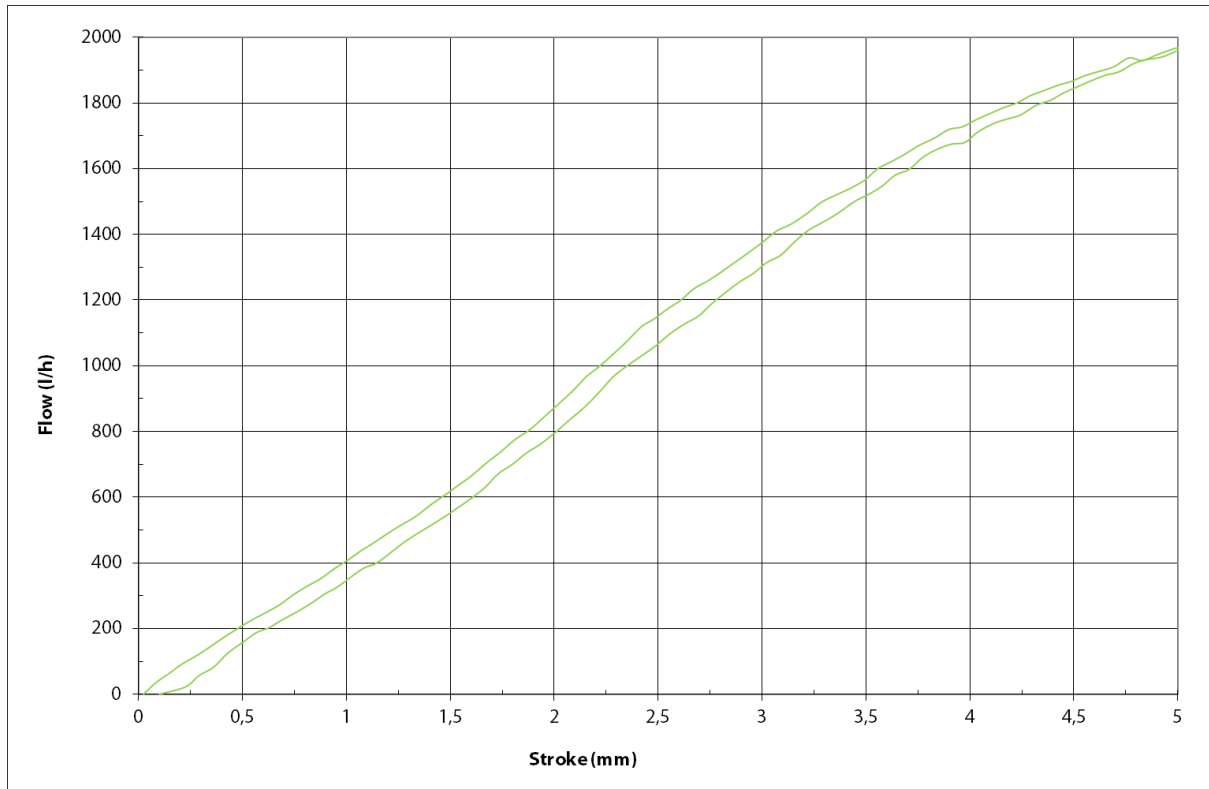


### Flow Stability

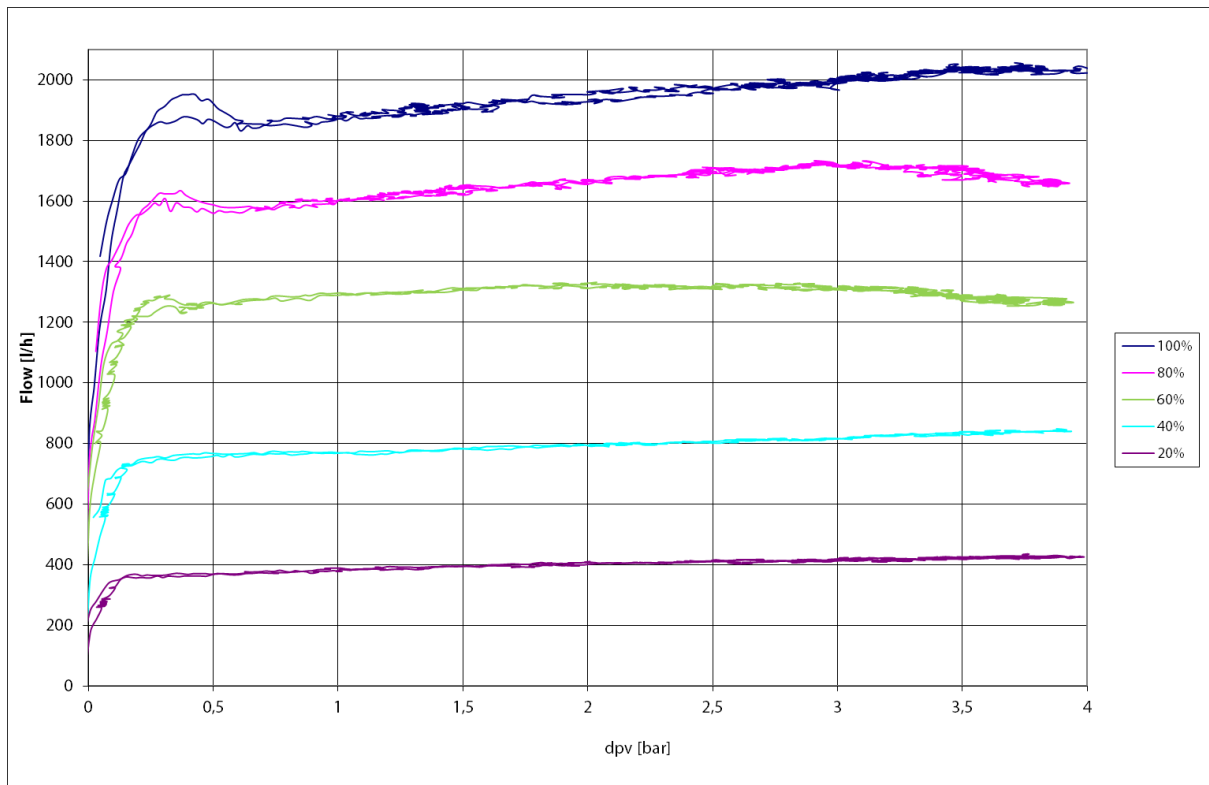


## DN25 Standard flow

### Flow Characteristic

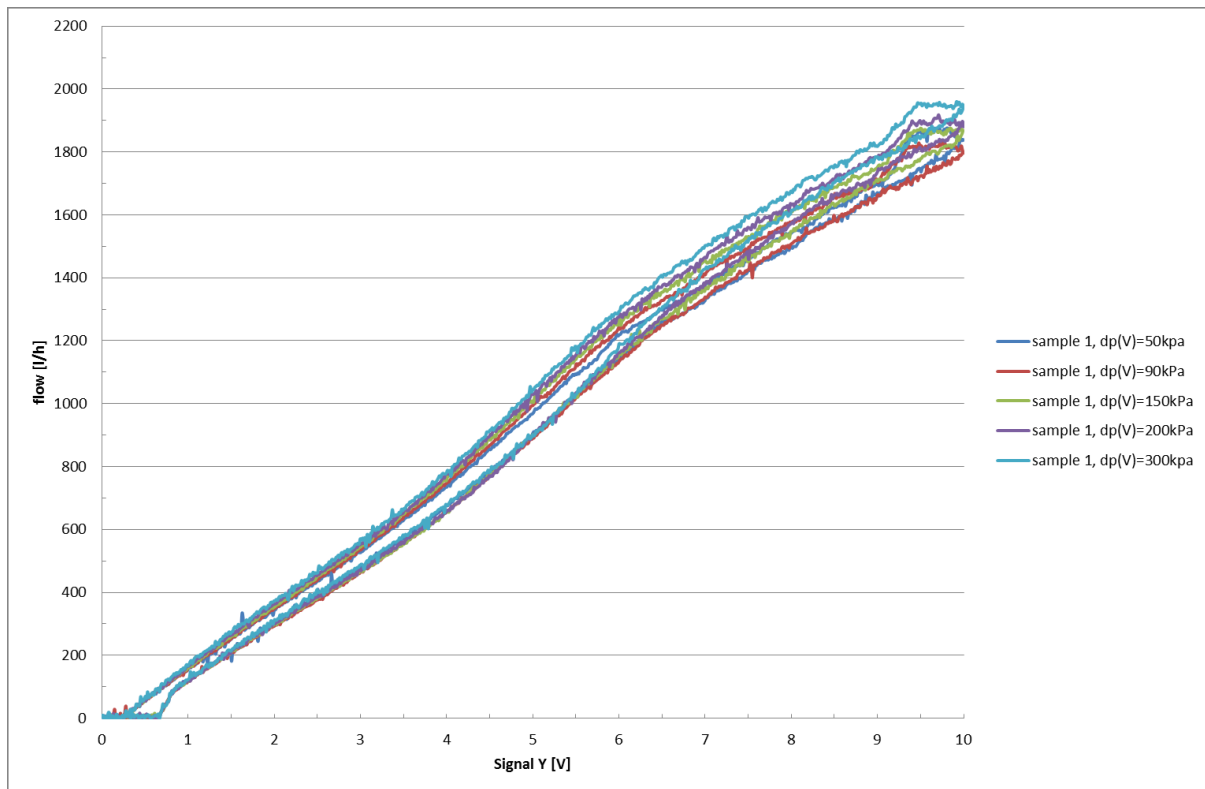


### Flow Stability

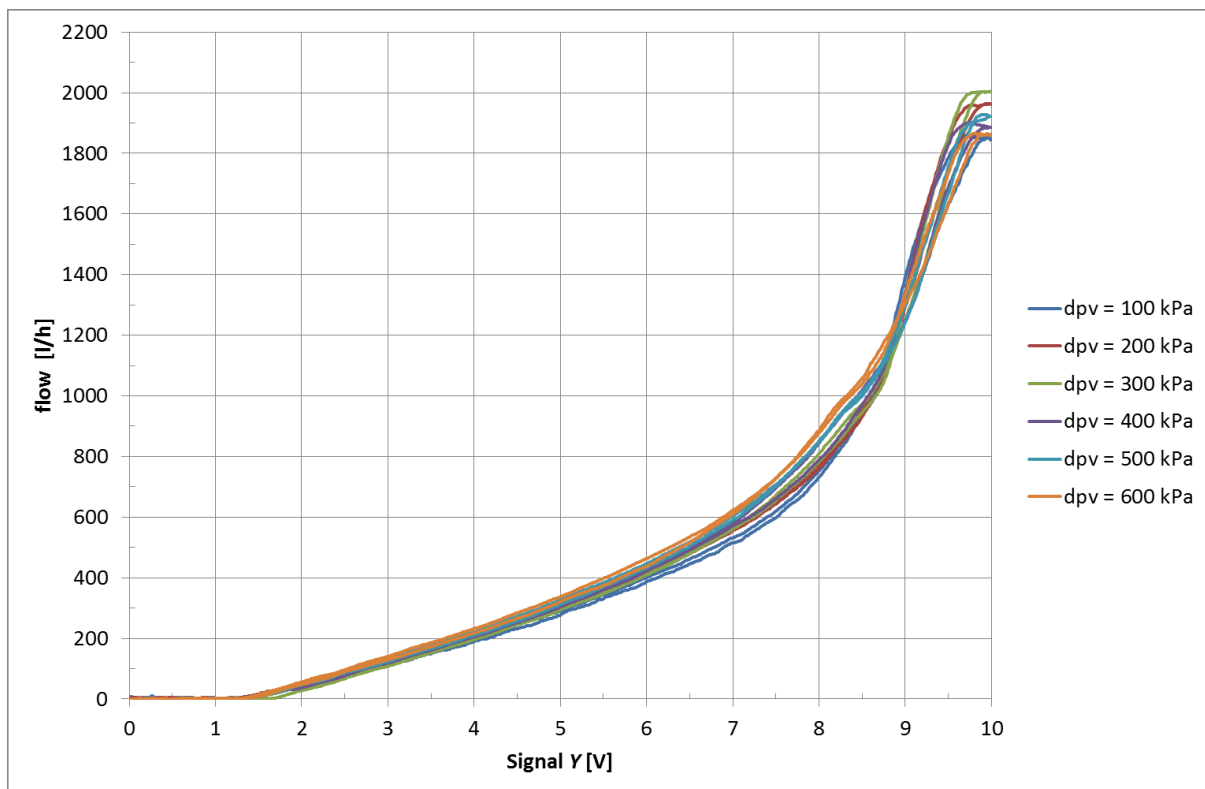


## DN25 Standard Flow with MP130-24M

Flow curve at differing  $\Delta P$ , valve set to 100% and Actuator to LIN operation

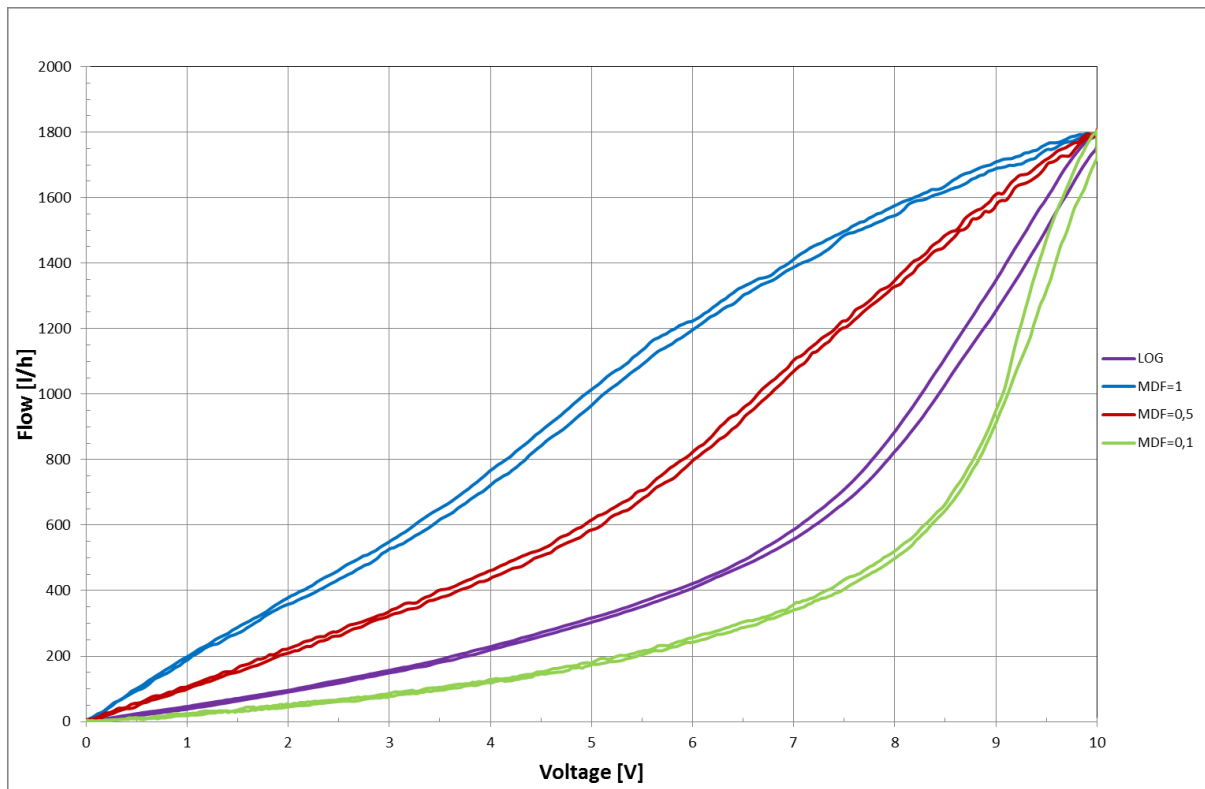


Flow curve at differing  $\Delta P$ , valve set to 100% and Actuator to EQ operation

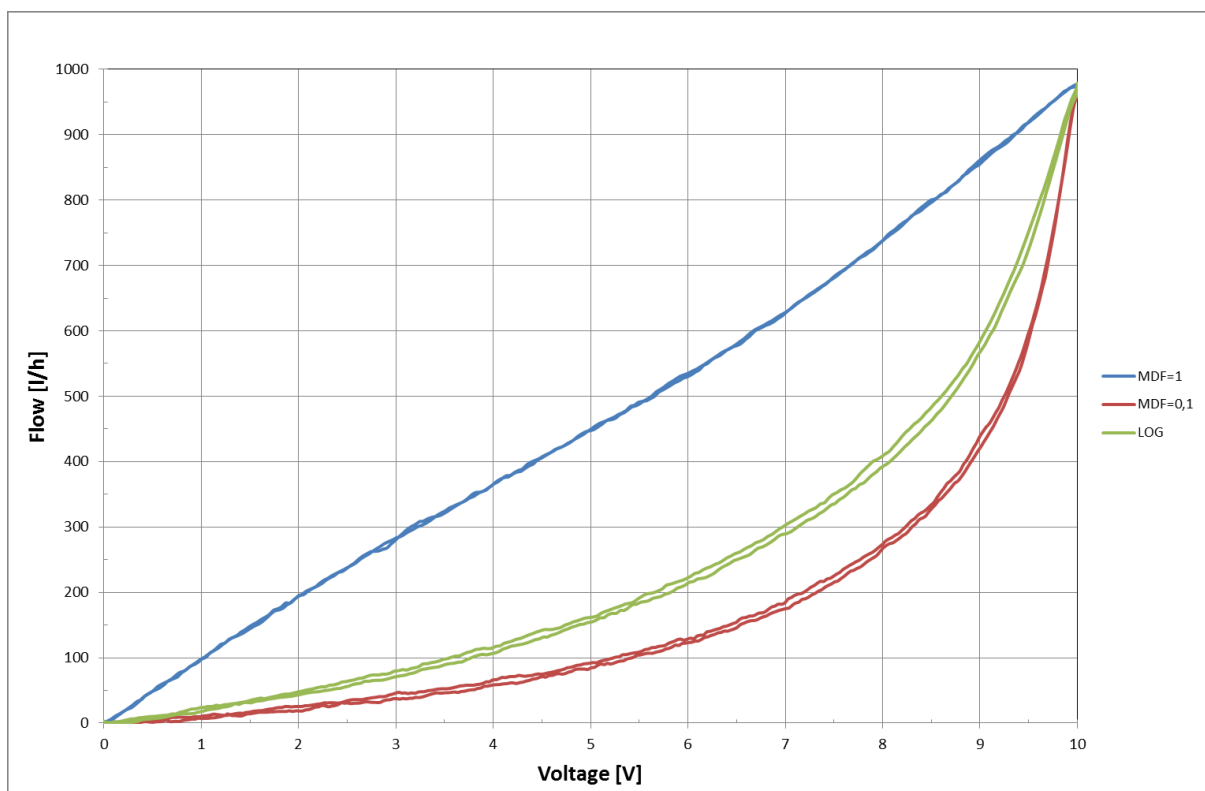


# DN25 Standard Flow with SpaceLogic SP90

## 100% Setting



## 50% Setting

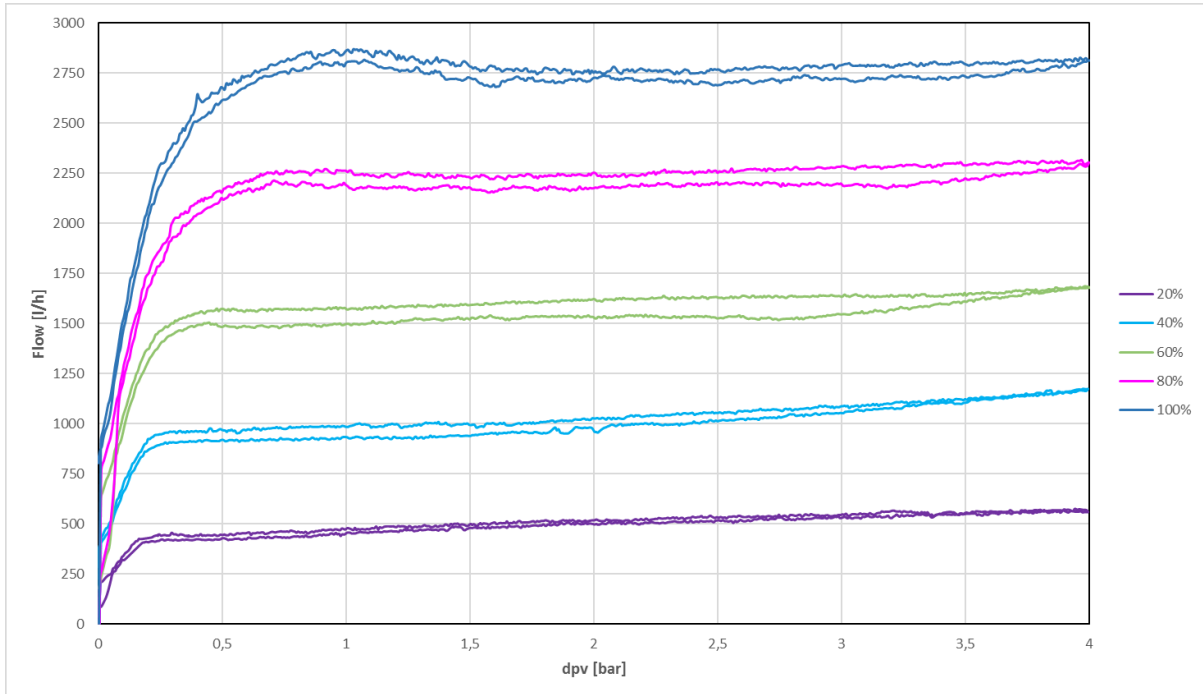


## DN25 High Flow

Flow characteristic

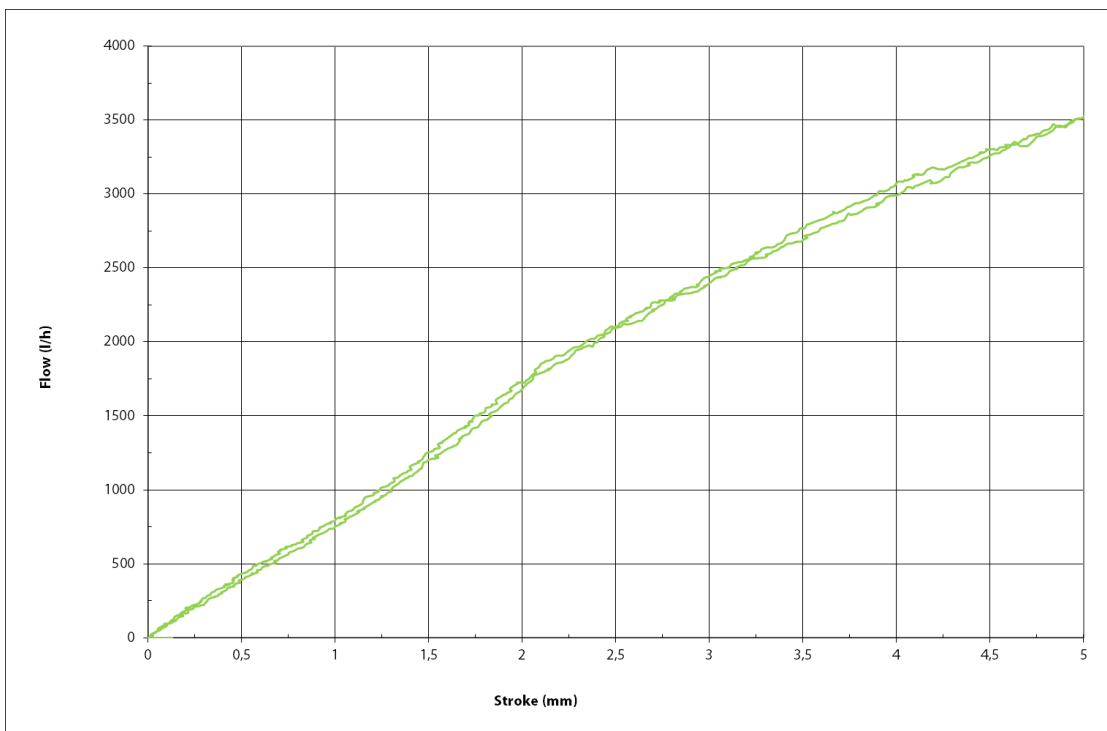
TBA

Flow stability

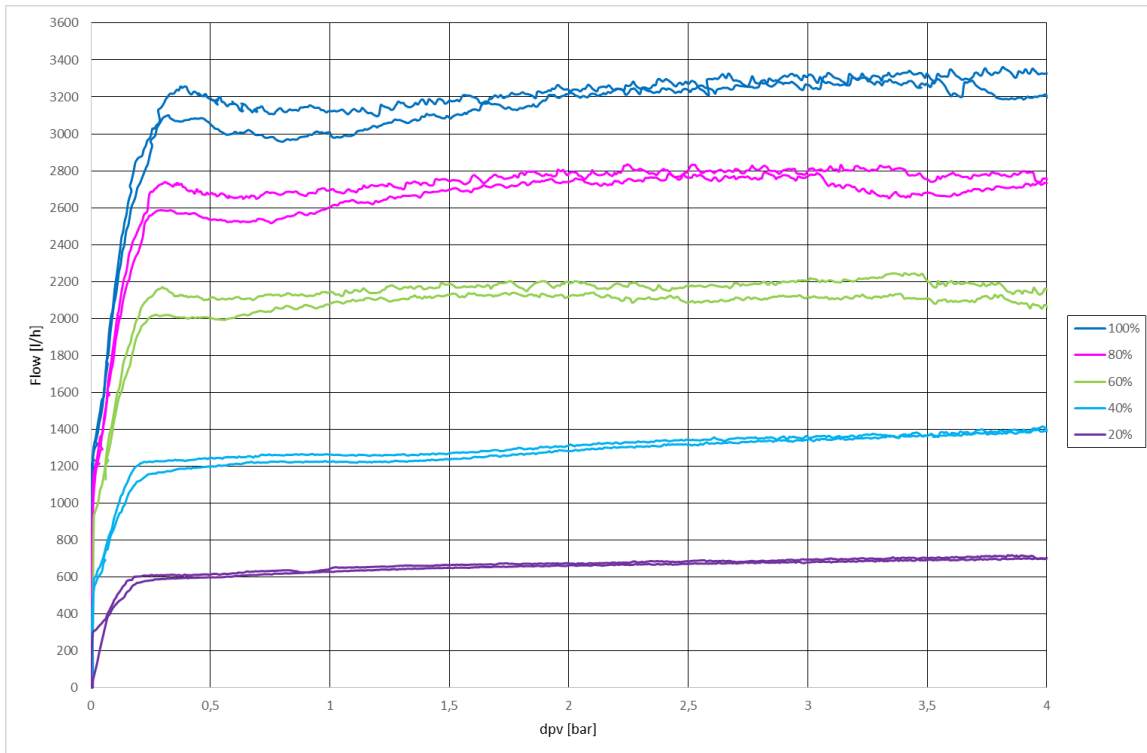


## DN32 Standard Flow

Flow characteristic



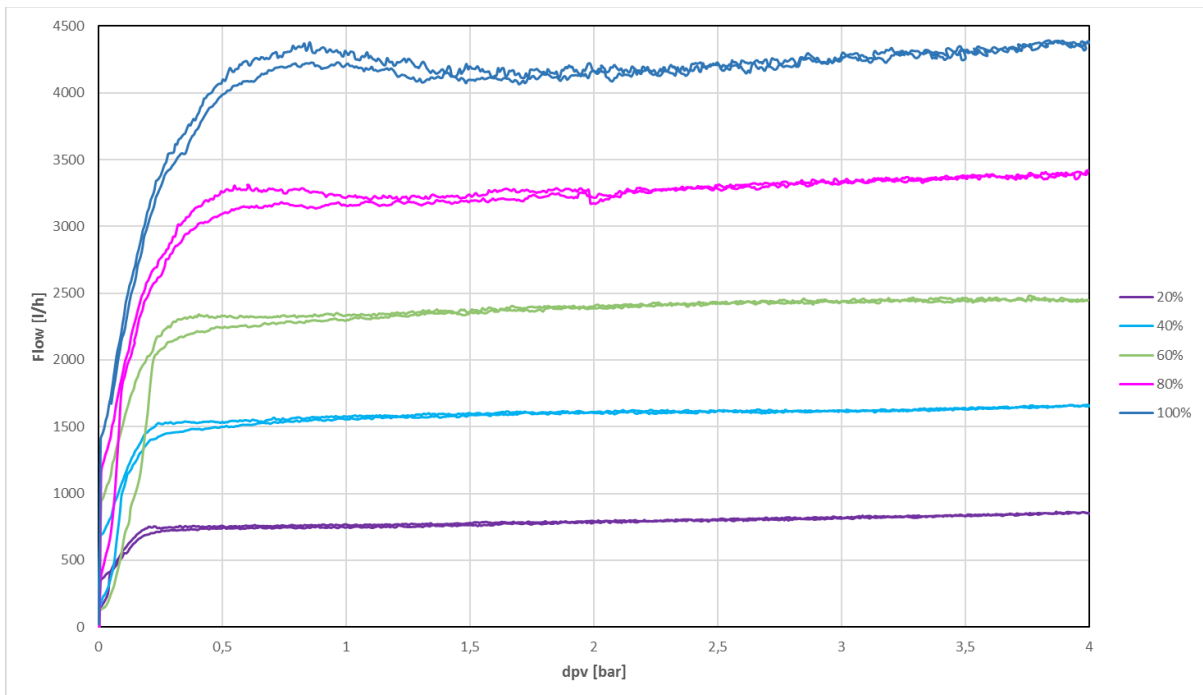
## Flow stability



## DN32 High Flow

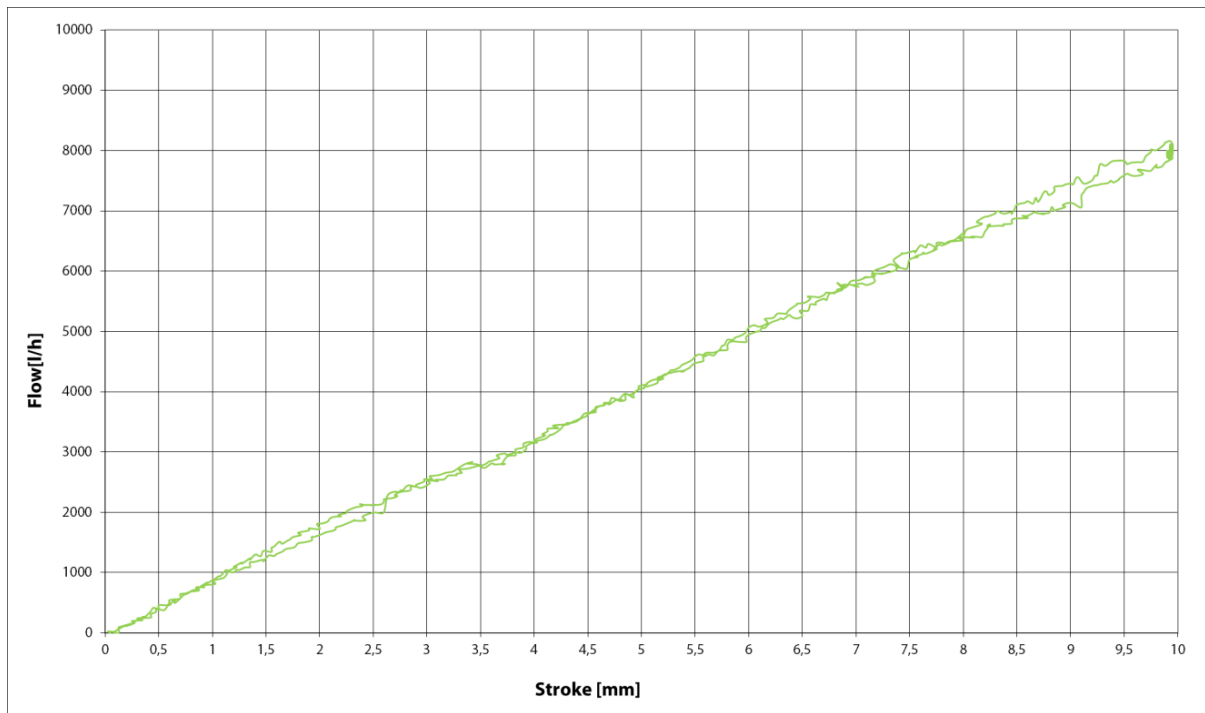
Flow characteristic - TBA

## Flow Stability

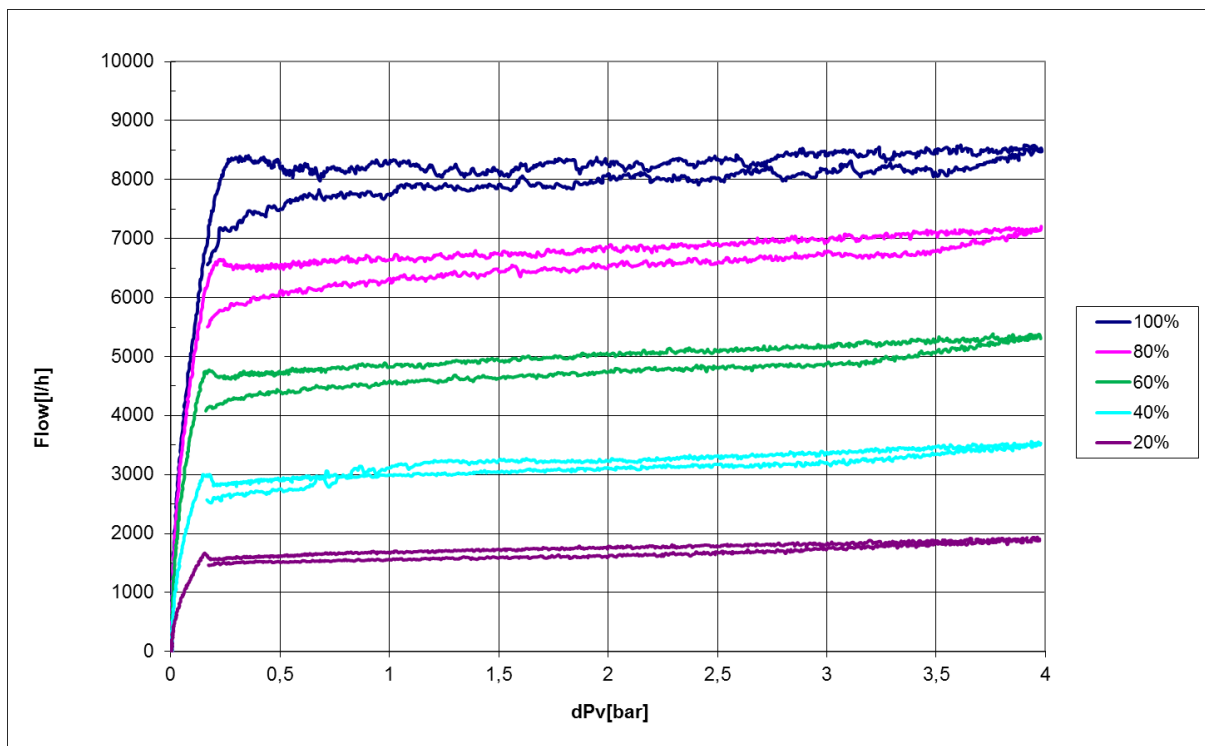


# DN40

## Flow characteristic



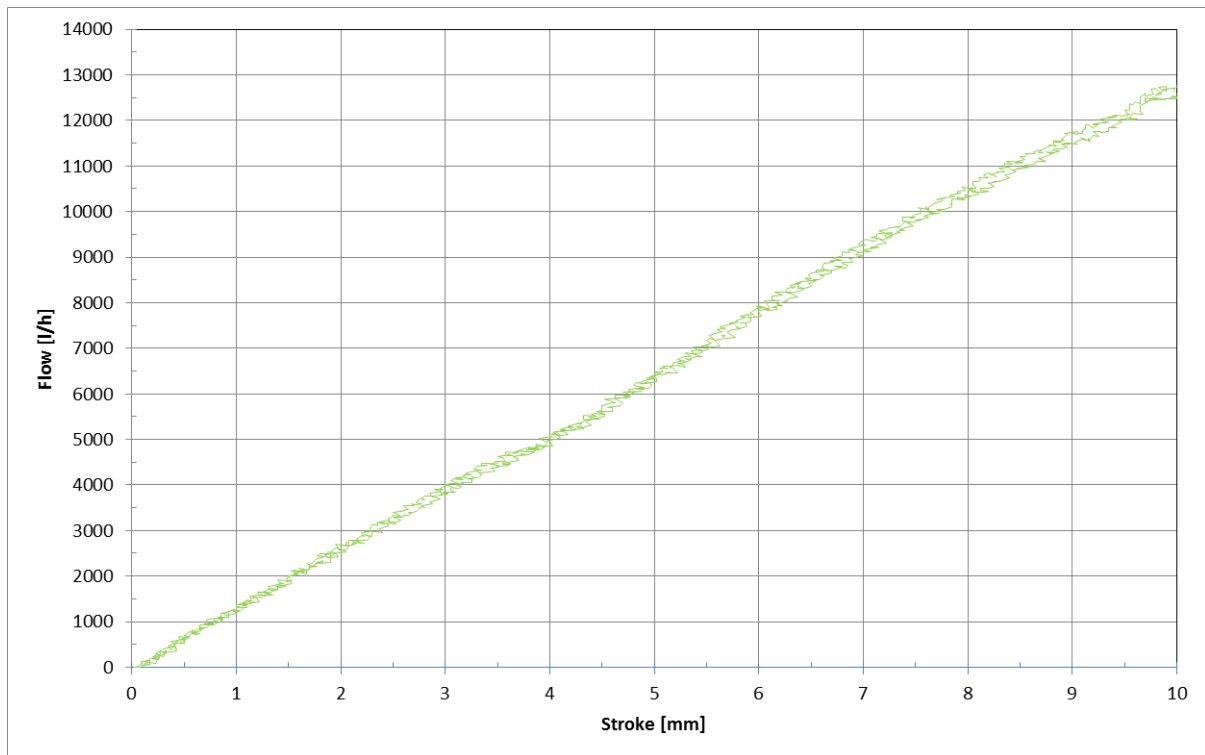
## Flow Stability





# DN50

## Flow Characteristic



## Flow Stability

