



Hydraulic & pneumatic systems

Abstract

This document includes the schematics of the pneumatic and hydraulic systems from Stinger 19D.

The energy flow direction goes from the bottom to the top of the schematics shown on the next page.

The redundancy is realized by two completely independent pneumatic circuits which includes identical parts.

The brake pedal is the connection between the hydraulic and the pneumatic side.



MM2 – MM8: Brake calipers

ISR 22-049

4 x front circuit

2 x rear circuit

BP7 & BP8: Brake pressure sensor

ADZ Nagano SME 37

1 x front circuit

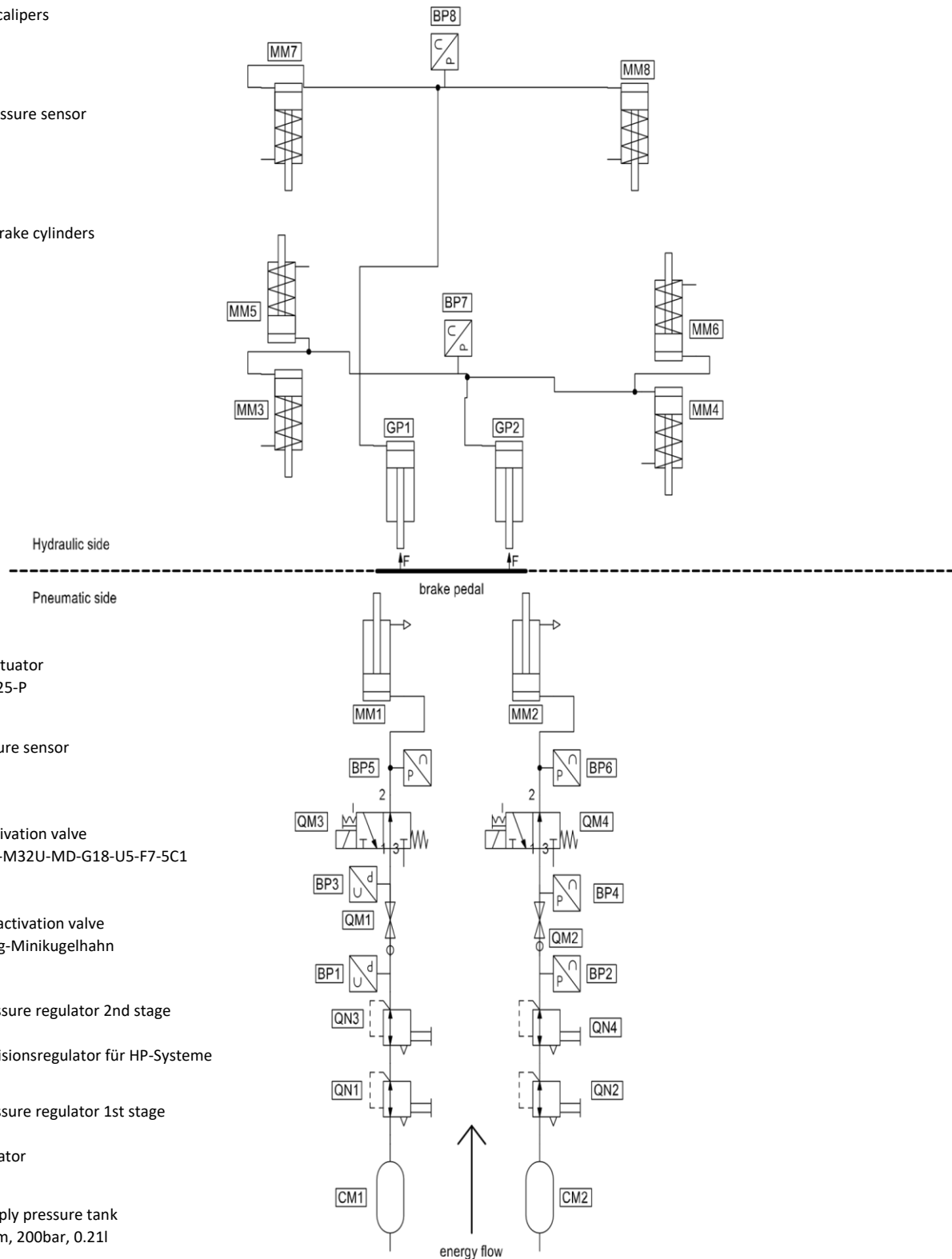
1 x rear circuit

GP1 & GP2: Master brake cylinders

Beringer MC 127

1 x front circuit

1 x rear circuit



MM1 & MM2: EBS actuator

2 x Festo – ESNU-25-25-P

BP1 – BP6: EBS pressure sensor

6 x Autosen AP016

QM3 & QM4: EBS activation valve

2 x Festo – VUVS-L20-M32U-MD-G18-U5-F7-5C1

QM1 & QM2: EBS deactivation valve

2 x Landefeld Messing-Minikugelhahn

QN3 & QN4: EBS pressure regulator 2nd stage

60bar to 10bar

2 x verstellbarer Präzisionsregulator für HP-Systeme

QN1 & QN2: EBS pressure regulator 1st stage

200bar to 60bar

2 x ProToyz HP Regulator

CM1 & CM2: EBS supply pressure tank

2 x ProToyz HP System, 200bar, 0.21l