

# Danfoss MCW105 Bucket Leveling System User Manual

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## MCW105 Bucket Leveling System



Bucket Levelling System  
MCW105, KVF

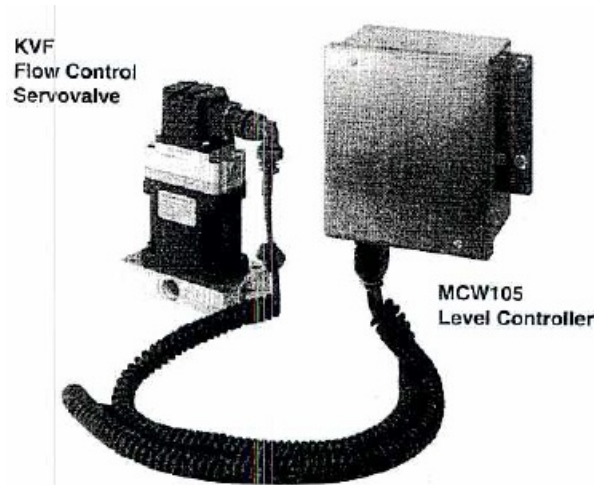
BLN-95-9018-3 Issue: August 1993

The Danfoss Bucket Levelling System consists of a VF Flow Control Servovalve and an MCW105 Level Controller containing a level sensor and valve driver. The system is intended for leveling control of buckets on aerial lifts and truck cranes.

The DC Hail Effect Level Sensor electromagnetically measures the deviation of the Sensor from a gravity reference. The mechanism is a pendulous mass having freedom of movement in one plane about a fixed center point.

The Valve Driver produces a pulse width modulated output proportional to the input signal from the Sensor. Calibration potentiometer adjusts the output gain and neutral deadband. The unit is contained within a metal enclosure.

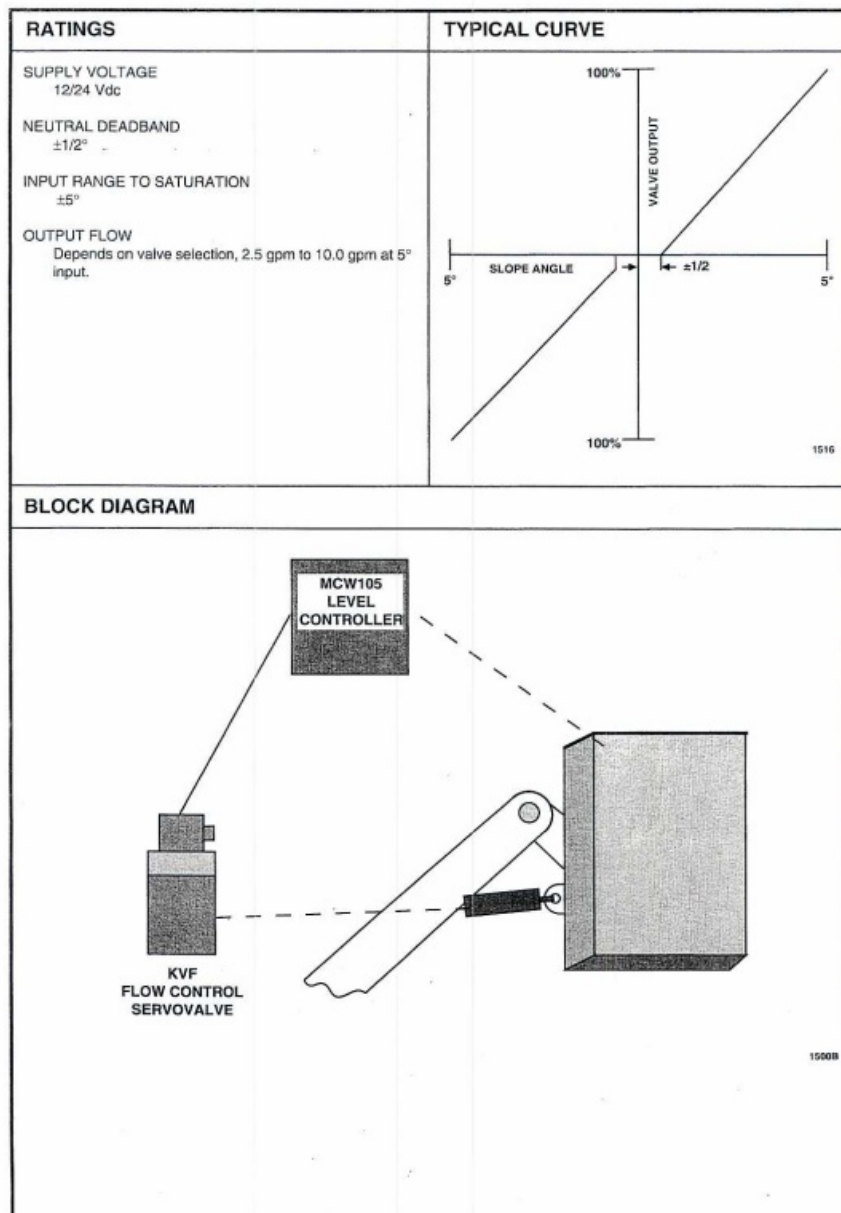
The Flow Control Servovalve is a two stage electrohydraulic Servovalve. It provides true proportional servo control with response suitable for precision application. The Servovalve is available in a range of flows to meet most applications.

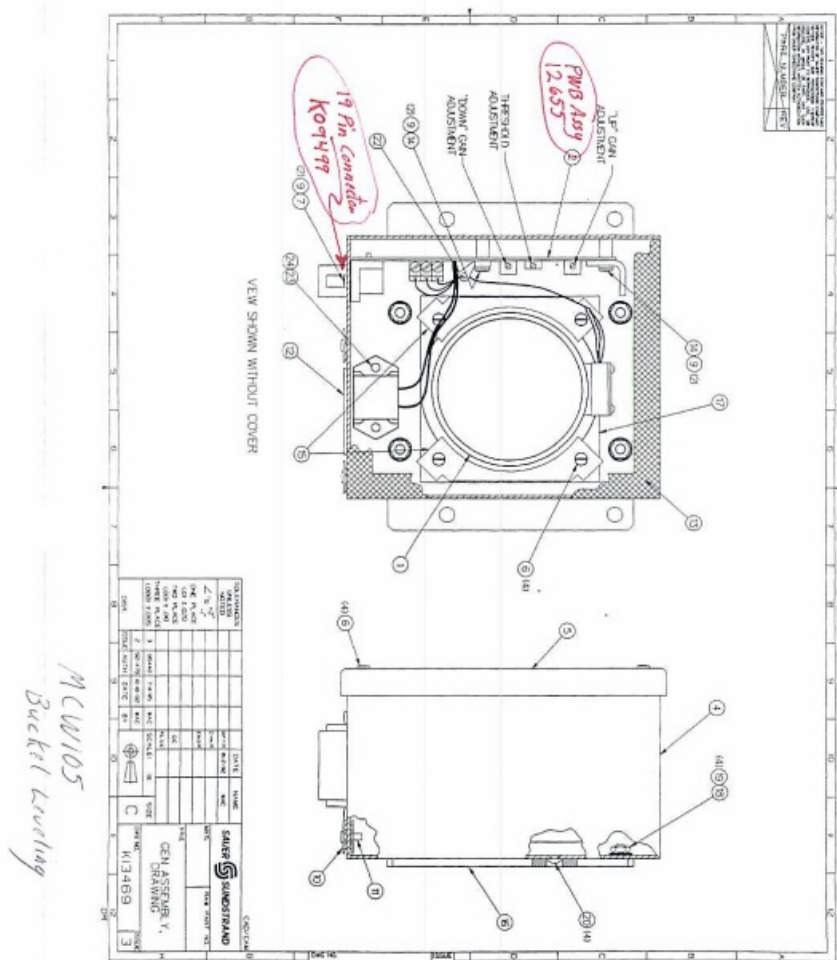


## **COMPONENTS AND ACCESSORIES**

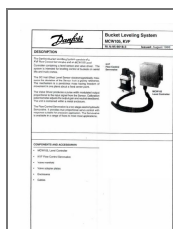
- MCW105, Level Controller
- KVF Flow Control Servovalve

- Valve manifold
- Valve adapter plates
- Enclosures
- Cables





## Documents / Resources



[Danfoss MCW105 Bucket Leveling System](#) [pdf] User Manual  
MCW105 Bucket Leveling System, MCW105, Bucket Leveling System, Leveling System, System

## References

- [User Manual](#)

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