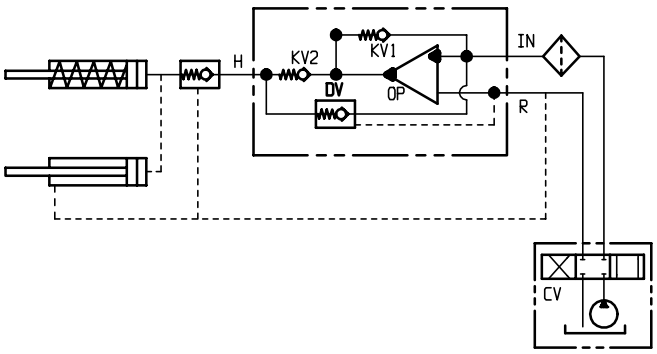
Features:

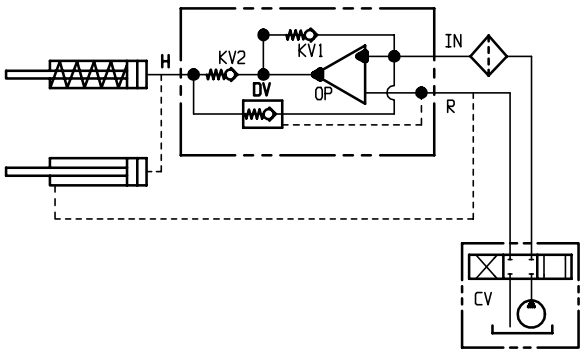
The most important functions are shown in the hydraulic circuit. The oil supply from the power source reaches the high pressure output (H) of the intensifier via valve (CV), input (IN), check valves (KV1, KV2, and DV). In this phase, the intensifier is in a rapid mode with max. oil flow. With increasing pressure in H, the oscillating pump unit (OP) automatically starts. When the pre-adjusted pressure at H is reached, the oscillation of the pump unit (OP) is stopped. In case of pressure loss in H, the pump unit (OP) starts automatically in order to ensure the pre-adjusted pressure. Pressure can be relieved from the high pressure side through the pilot operated check valve (DV).

Important notes:

The hydraulic oil must be filtered with mesh size not larger than nominally 1,11 MM, 19/16 according to ISO 4406.
If the intensifier will be used for applications where the oil supply is disengaged, a leakage free pilot-controlled check valve should be installed between high pressure output (H) and the cylinder. Please consider the min. control pressure for releasing.

Version with 1) and without 2) pilot controlled check valve:





	1)	2)
Min. input volume:		2,0 l/min.
Max. input volume:		depending on ratio 8-15 l/min.
Min. input pressure:		20 bar
Max. input pressure:		depending on ratio 20-200 bar

During pressure build-up the oil flow at output decreases.
In order to ensure warranty, please do not disassemble the intensifier.

ANDREAS MAIER Gmbh & Co. Schloss- und Werkzeugfabrik Postfach 17 60 D-70707 FELLBACH Tel. +49 (711) 57 66-151 Fax + 49 (711) 57 66-224 E-Mail hydraulik@anf.de