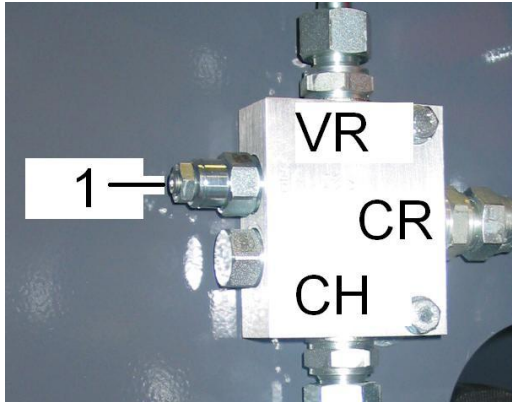


Palax uses different types of APV-valves (High speed valve)

Function of the APV-valve is same in every models. Only difference is size of the valve.

High speed switching pressure should be around 40-60 bar.



Small SUN hydraulics APV-valve. ks35 →
2009,2010. Power 70 2004 →

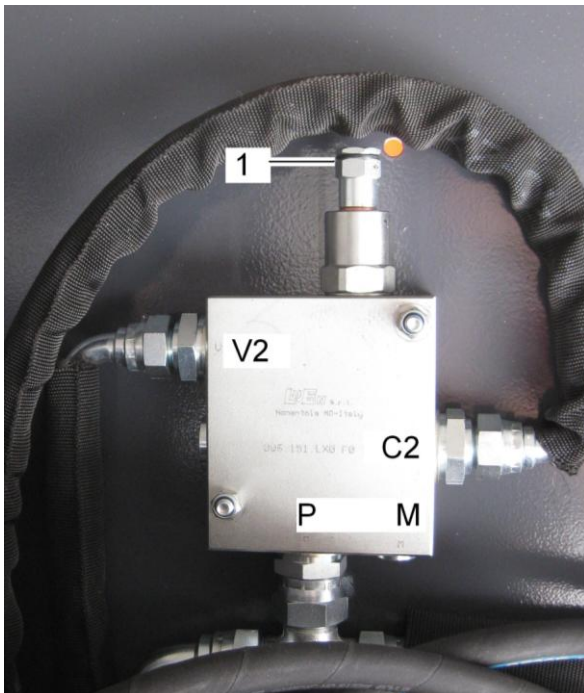
Adjustment of this model:

Install pressure meter to the CR-connection, with in
T-plug. Place “wood” in against splitting axe
(SIDEWAYS, so it doesn’t split)

Use splitting valve by hand, move cylinder against
wood very carefully. Do not let the valve lock .

Now pressure rises in CR-line up to the ~60 bar,
and then it drops. This pressure dropping point is
switching point from High speed to Normal speed

Adjustment from srew no. 1.



LUEN model APV-valve. (year 2010 combi
M2, KS35, Power 90)

“If having lack of power in splitting you can try
to adjust the switching pressure without gauges,
just turn the setting counter clockwise (open) one
round and do test run.”

Install pressure meter to the M-connection.

Place “wood” in against splitting axe
(SIDEWAYS, so it doesn’t split)

Use splitting valve by hand, move cylinder
against wood very carefully. Do not let the valve
lock . Now pressure rises in M-line up to the ~60
bar, and then it drops. This pressure dropping
point is switching point from High speed to
Normal speed

Adjustment from srew no. 1

SUN hydraulics (Big model 114 x 82 mm) Combi M2, KS35, Power 90 ~ 2011 →



Adjustment of this model is the same as small SUN valve

Install pressure meter to the CR-connection, with in T-plug.

Place “wood” in against splitting axe (SIDEWAYS, so it doesn’t split)

Use splitting valve by hand, move cylinder against wood very carefully. Do not let the valve lock . Now pressure rises in CR-line up to the ~60 bar, and then it drops. This pressure dropping point is switching point from High speed to Normal speed

Adjustment with 4mm allen wrench

CH to Cylinder (+) movement (Rear) (T-connection on hose)

CR to Cylinder (-) movement (front)

VR to Valve