

**Cine 30 HD**  
**MANUEL**  
**TETE FLUIDE SPECIAL**  
**POUR PRO 35 ET MINI 35**



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## Table of contents

1	Safety instructions .....	1
2	Operating elements .....	2
3	Operation .....	4
3.1	Moving of the panbar .....	4
3.2	Levelling of the fluid head .....	4
3.3	Removing of the camera plate .....	4
3.4	Mounting of the camera .....	5
3.5	Removing of the camera .....	7
3.6	Positioning of the camera .....	7
3.7	Adjusting the camera's counterbalance .....	8
3.8	Setting of the damping .....	8
3.9	Brakes .....	9
3.10	Support for viewfinder extension .....	9
3.11	Change of the batteries .....	9
4	Technical specifications .....	10
5	The modular system .....	11
5.1	Conversion to include different balance plate .....	11
5.2	Conversion of the Cine 30 HD to include flat base .....	11
5.3	Conversion of the Cine 30 HD to include Mitchell base .....	11
6	Accessories .....	12

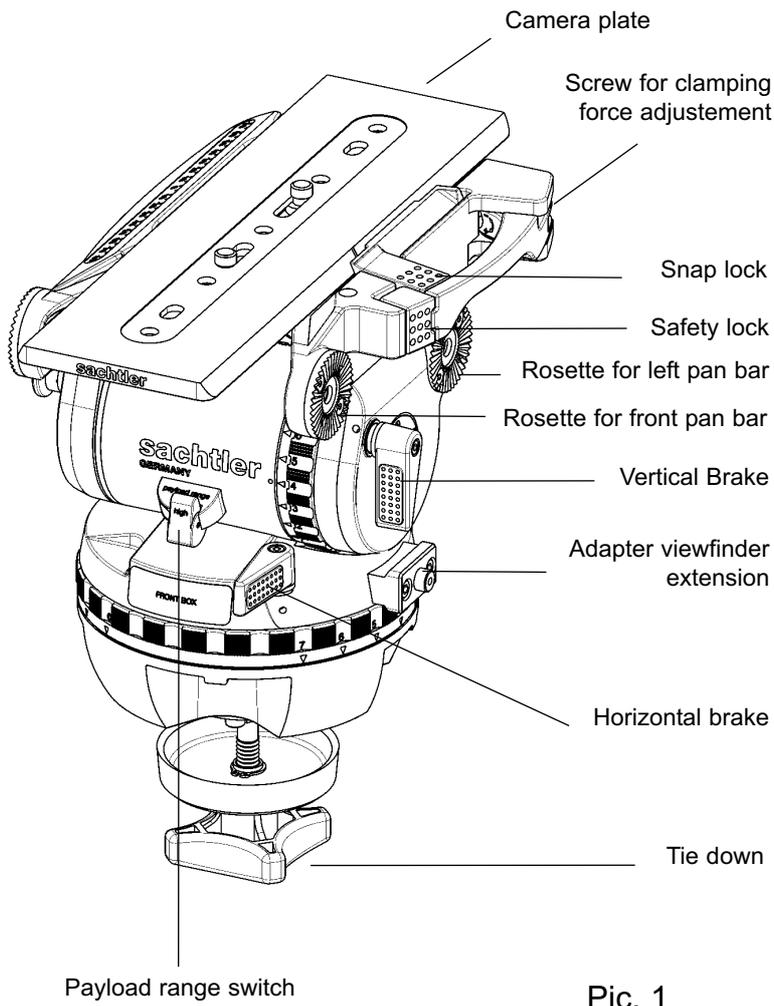


## 1 Safety instructions

- ⇒ *When the camera is mounted, the tie down of the fluid head must only be released if camera and tripod are secured against falling over.*
- ⇒ *When releasing the vertical brake make sure that the camera is secured against any sudden movement.*
- ⇒ *Do not operate the fluid head upside down without the necessary securing devices, i.e. ropes etc.*
- ⇒ *Do not use sideload lever as a carrying handle while a camera is mounted.*



## 2 Operating elements

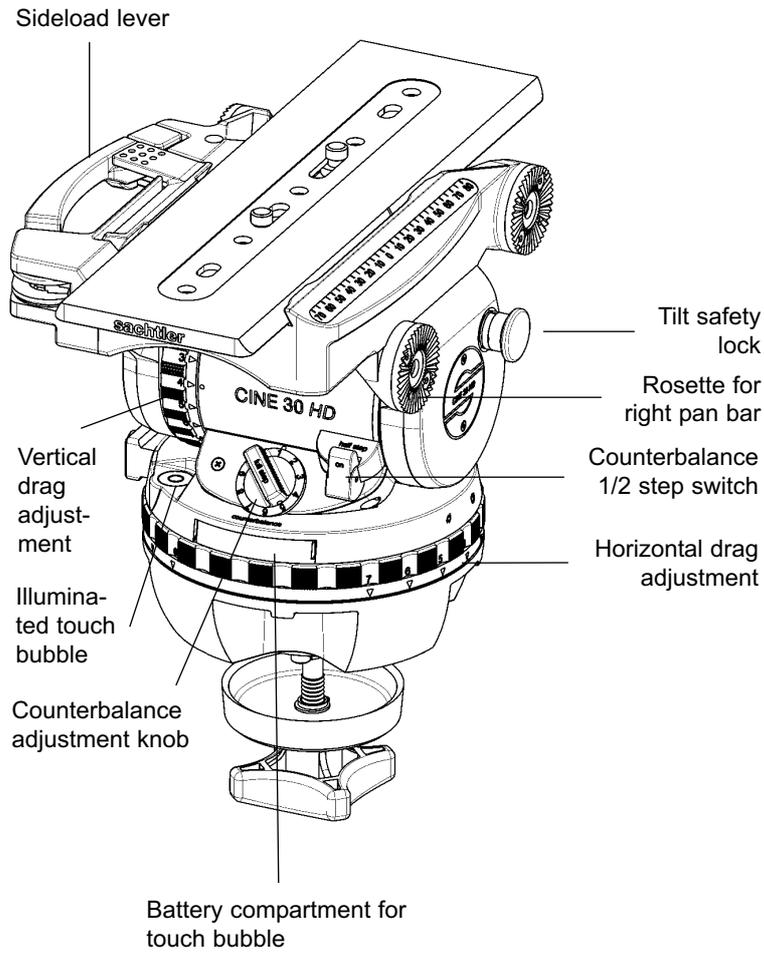


Pic. 1



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Pic. 2

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## 3 Operation

### 3.1 Moving of the pan bar

Open the black clamping lever of the pan bar and move the pan bar into the desired position. Close the clamping lever of the pan bar. During transportation the pan bar can be moved next to the tripod legs.

**Caution:** Open the clamping lever of the pan bar far enough. The teeth of the pan bar clamp should not clatter while moving the pan bar. Make sure that the teeth interleave with each other when closing the clamping lever of the pan bar.

### 3.2 Levelling of the fluid head

The fluid head has a bubble to facilitate levelling. Apply the vertical brake of the fluid head and hold the camera with one hand. Open the tie down of the fluid head and move the head in such a way, that the bubble moves into the levels black circle. Tighten the tie down firmly.

#### Touch Bubble

The fluid head has a self illuminating Touch Bubble which allows easy levelling even under unfavourable lighting conditions.

The illumination is activated by strong tapping on the bubble. The bubble will light up to 45 seconds.

### 3.3 Removing of the camera plate

The fluid head comes with a sideload camera plate clamping mechanism.

- ⇨ Hold the camera plate with one hand.
- ⇨ Press the red safety lock.

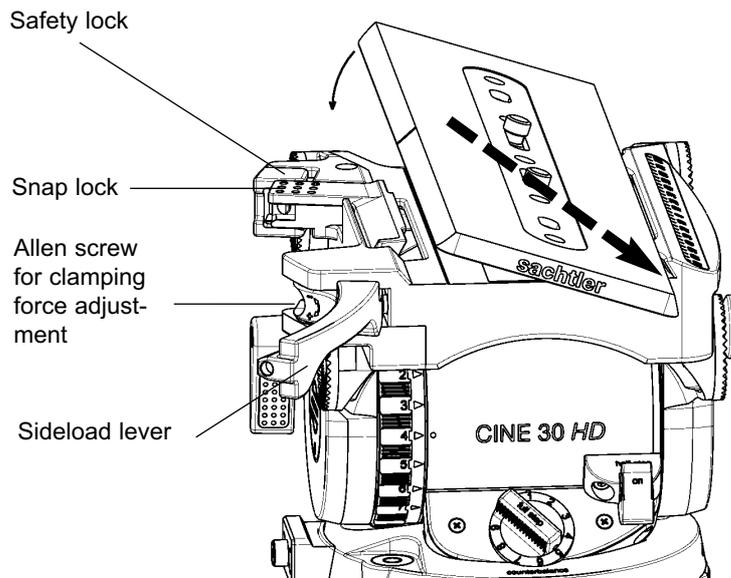


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- ⇨ Open the sideload lever (about 180°) until the stop position.
- ⇨ Press down the snap lock.
- ⇨ Take out the camera plate.

### 3.4 Mounting of the camera



Pic. 3

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Attach the camera plate around the camera's centre of gravity.

- ⇒ Turn the counterbalance knob to position 9.
- ⇒ The springs of the counterbalance engage automatically by tilting the camera through the horizontal position (audible clicking).
- ⇒ Apply horizontal brake and release vertical brake.
- ⇒ Lock the head with the tilt safety lock.  
The blocking and clicking into position of the tilt safety lock is achieved by pulling out the red knob and turning it 90°. Green marking on the red knob becomes invisible. Make sure that the tilt safety lock has engaged. (The head can't be tilted any more.)
- ⇒ Place the camera plate's dovetail in the dovetail's guiding on the head (see pic. 3).
- ⇒ Lower the camera (plate). The snap lock will spring back and snap in to secure the camera plate when it is in a flat position.
- ⇒ Close the sideload lever until the red safety lock is locked (audible clicking).

Note: Adjustment of the clamping force

There are a lot of camera plates from other brands (e.g. O'Connor, ARRI, ...) in the market. They principally fit to the Cine 30 HD but may have other manufacturing tolerances. If so, an adjustment of the clamping force is possible, by turning the allen screw (see pic. 3) clockwise to increase the force, counterclockwise to decrease clamping force.



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### 3.5 Removing of the camera

- ⇒ Lock the head with the tilt safety lock.  
The blocking and clicking into position of the tilt safety lock is achieved by pulling out the red knob and turning it 90°. Green marking on the red knob becomes invisible. Make sure that the tilt safety lock has engaged. (The head can't be tilted any more.)
- ⇒ Hold the camera with one hand.
- ⇒ Press the red safety lock.
- ⇒ Open the sideload lever until the stop position (about 180°).
- ⇒ Press down the snap lock.
- ⇒ Take out the camera.

### 3.6 Positioning of the camera

- ⇒ Hold the camera by securing the pan bar.
- ⇒ Apply horizontal brake and release vertical brake and tilt safety lock by pulling out the red knob and turning it 90°. Green marking on the red knob becomes visible (rocking the pan bars up and down will facilitate this).
- ⇒ Turn the counterbalance knob to position 1.  
Keep on holding the camera.
- ⇒ Switch the payload range to position „low“ at the heads front side. Keep on holding the camera.
- ⇒ Select 0 on the vertical drag adjustment ring.
- ⇒ Press the red safety lock.
- ⇒ Open the sideload lever about 90°.
- ⇒ To balance the camera correctly, bring the C.O.G. of the camera right above the pivoting point of the fluid head. Compensate for a back heavy setup by sliding the camera plate forward and for a frontheavy setup by sliding backwards.



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- ⇒ Lock the camera plate by closing the sideload lever until the red safety lock is locked.

**Caution:** *If you can't manage to centre the camera, you should move the camera plate to a different position on the camera.*

### 3.7 Adjusting the camera's counterbalance

- ⇒ Hold the camera by securing the pan bar.
- ⇒ Release vertical brake.
- ⇒ Release tilt safety lock.
- ⇒ Turn the counterbalance knob to that number which best compensates for the weight of the camera.
- ⇒ After each spring is released, check if the camera will remain in a tilted position, without moving upwards or downwards significantly.
- ⇒ With the half step switch you have the possibility to select intermediate steps, e.g. 1½, 2½, 3½, etc.
- ⇒ The payload range switch on the fluid head's front side determines the payload range: low (3 kg/6 lb to 30 kg/65 lb) resp. high (8 kg/18 lb to 35 kg/80 lb).

**Please note:** *A lower counterbalance setting becomes immediately effective in any tilt position. An increase of the counterbalance setting will only be effective in the horizontal position (springs must click in audibly).*

### 3.8 Setting of the damping

The fluid head is equipped with seven damping levels horizontally and vertically and a zero setting. Turning the vertical or horizontal setting one selects the desired level of the fluid damping. Turn the setting ring to "0" in order to switch off the damping completely.

Make sure that you always turn the setting to the next indexed position. Engage the retainer pins by slowly panning or tilting the camera.

**ATTENTION:** Panning or tilting the camera with settings between the indexed position can damage the retainer pins and/or disks.

If you set the setting rings on the same index number (e. g. "3") the degree of the horizontal and vertical damping is identical and thus enables precise diagonal panning movements without jerks and vibrations.

To ensure smooth operation of the setting rings over the long life time period of the fluid head, you should turn both setting rings from position "0" to maximum position, before and after the use of the fluid head.

### 3.9 Brakes

The horizontal brake applies the lock for the pan and the vertical brake for the tilt movement. Both brakes are vibrationless and can be used during shooting.

### 3.10 Support for viewfinder extension

The fluid head has a preparation to accept a support system for a viewfinder extension.

### 3.11 Change of the batteries

The illumination is powered by three standard type button cells (625 U or LR9) located in the battery holder, which can be opened with a tapered object such as a screwdriver.

Make sure to insert the new batteries according to the "plus" and "minus" symbols as indicated in the covering plate.

The batteries last for about 2000 illumination cycles.



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## 4 Technical specifications

Payload range overall:	3 kg to 35 kg (6 lb to 80 lb)
low	3 kg to 30 kg (6 lb to 65 lb)
high	8 kg to 35 kg (18 lb to 80 lb)
Counterbalance steps	18
Cameraslating range	150 mm (6")
Grades of drag:	horizontally and vertically 7 each and 0
Tilt angle:	+90° / -75°
Panning range:	360°
Temperature range:	-40°C (-40°F) to 60°C (140°F)
Weight:	5.6 kg (12.4 lb)
Max. load:	35 kg (77 lb)
Camera fitting:	sideload camera plate mechanism
Tripod / Pedestal fitting:	150 mm (6") ball / flat base
Pan bar:	telescopic with attachment diameter of 18/22 mm (0.7 / 0.8"), length 350 to 520 mm (13.8 - 20.5")
Batteries:	3 each 625 U or LR969

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## 5 The modular system

The following modifications can be performed:

- ⇒ *Conversion of the fluid head to include different balance plate*
- ⇒ *Conversion of Cine 30 HD to include flat base*
- ⇒ *Conversion of Cine 30 HD to include Mitchell*

### 5.1 Conversion of the fluid head to include different balance plate

On the Cine 30 HD a Sachtler Touch & Go balance plate (*EFP set up Video 25 Plus*) can be mounted. Also the other way round, on a Video 25 Plus, built since march 2006, a sideload *set up Video 25 Plus* can be mounted.

### 5.2 Conversion of the Cine 30 HD to include flat base

Put the Cine 30 HD upside down, so that you can access the bottom of the head.

Next to the centre bolt you will see 4 allen screws. Those have to be unscrewed and the whole piece has to be removed.

Now the Cine 30 HD can be mounted onto flat base tripods and pedestals with 4 bolt flat base directly. For Quickfix mount and all Sachtler pedestals the Multi Disc from the Sachtler accessory range is required.

It is mounted onto the fluid heads 4 bolt flat base.

### 5.3 Conversion of the Cine 30 HD to include Mitchell base

To convert put the fluid head upside down, so that you can access the bottom of the head.



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Next to the centre bolt you will see 4 allen screws. Those have to be unscrewed and the whole piece has to be removed.

Take the Mitchell adapter piece with locking knob from the Sachtler accessory range.

Place the adapter piece into the recess at the bottom side of the head.

Fasten hand-tight the 4 allen screws.

The fluid head is tightened onto the tripod via the Mitchell locking knob.

## 6 Accessories

The following accessories are available:

- ⇒ A *front pan bar HD* with Code No. 3372
- ⇒ A *panbar left HD* with Code No. 3371
- ⇒ A *frontbox adapter* for an O'Connor front box with Code No. 3920.
- ⇒ A *Touch & Go adapter plate 35* (Code 3061) for use Sachtler camera plate 35 (in autumn 2006)

For further accessories please have a look in our catalogue or visit our webpage ([www.sachtler.com](http://www.sachtler.com)).

## 7 Warranty

Warranty expires if:

- ⇒ *The fluid head was operated improperly or not in line with the specified technical data, or*
- ⇒ *the head housing was opened by unauthorised personnel.*

We reserve the right to make changes based on technical advances.



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