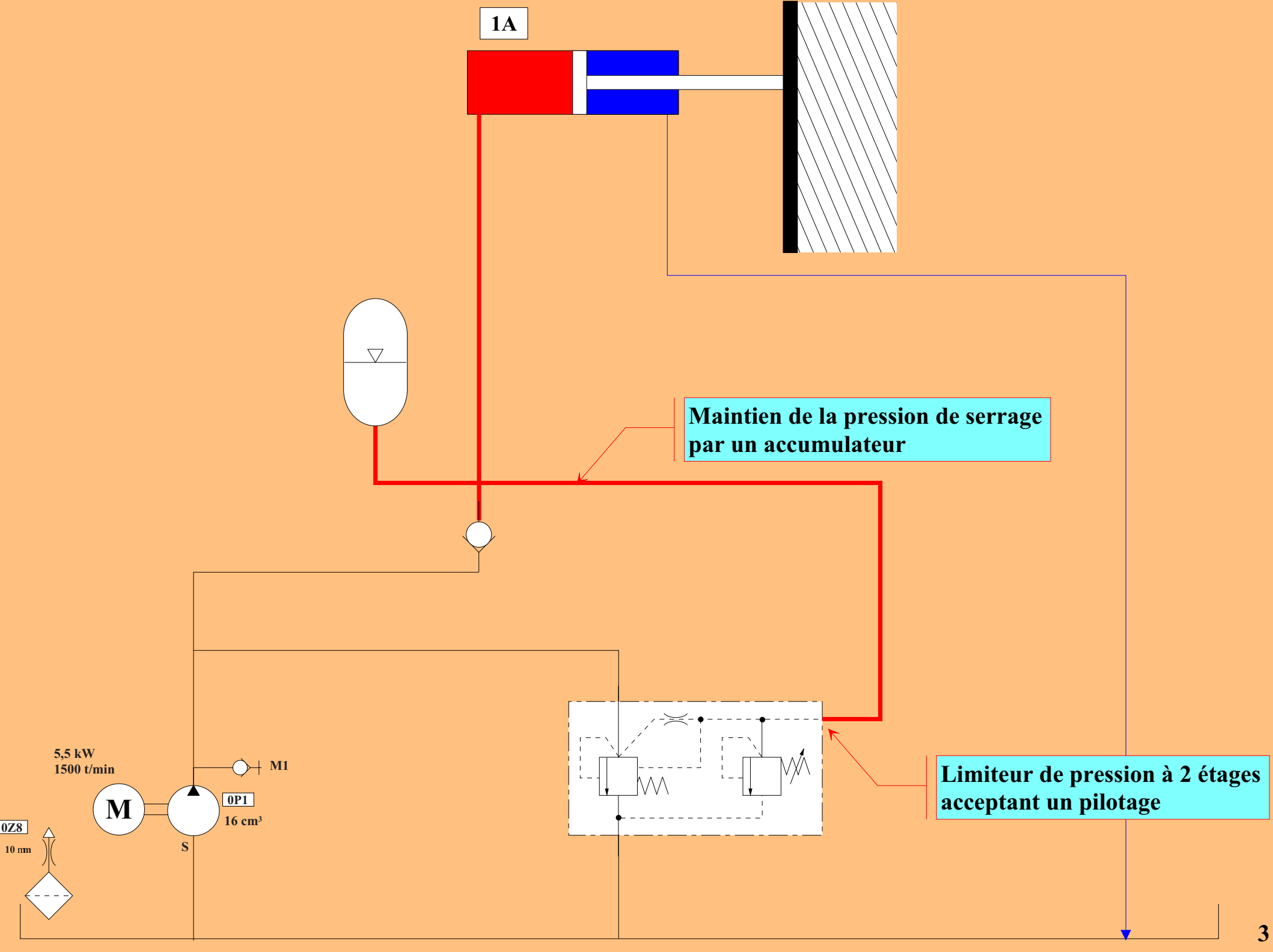


MAINTIEN DE PRESSION DANS UN CIRCUIT

The image features the text 'MAINTIEN DE PRESSION DANS UN CIRCUIT' in a bold, 3D, black font with a yellowish-gold metallic sheen. The text is arranged in a single line that curves from the top-left towards the bottom-right. The background is a light yellow gradient with a central, bright light source at the top, creating a radial pattern of thin, dark lines that emanate outwards, giving the impression of a sun or a powerful light source.

Maintien du serrage par accumulateur de pression



1A

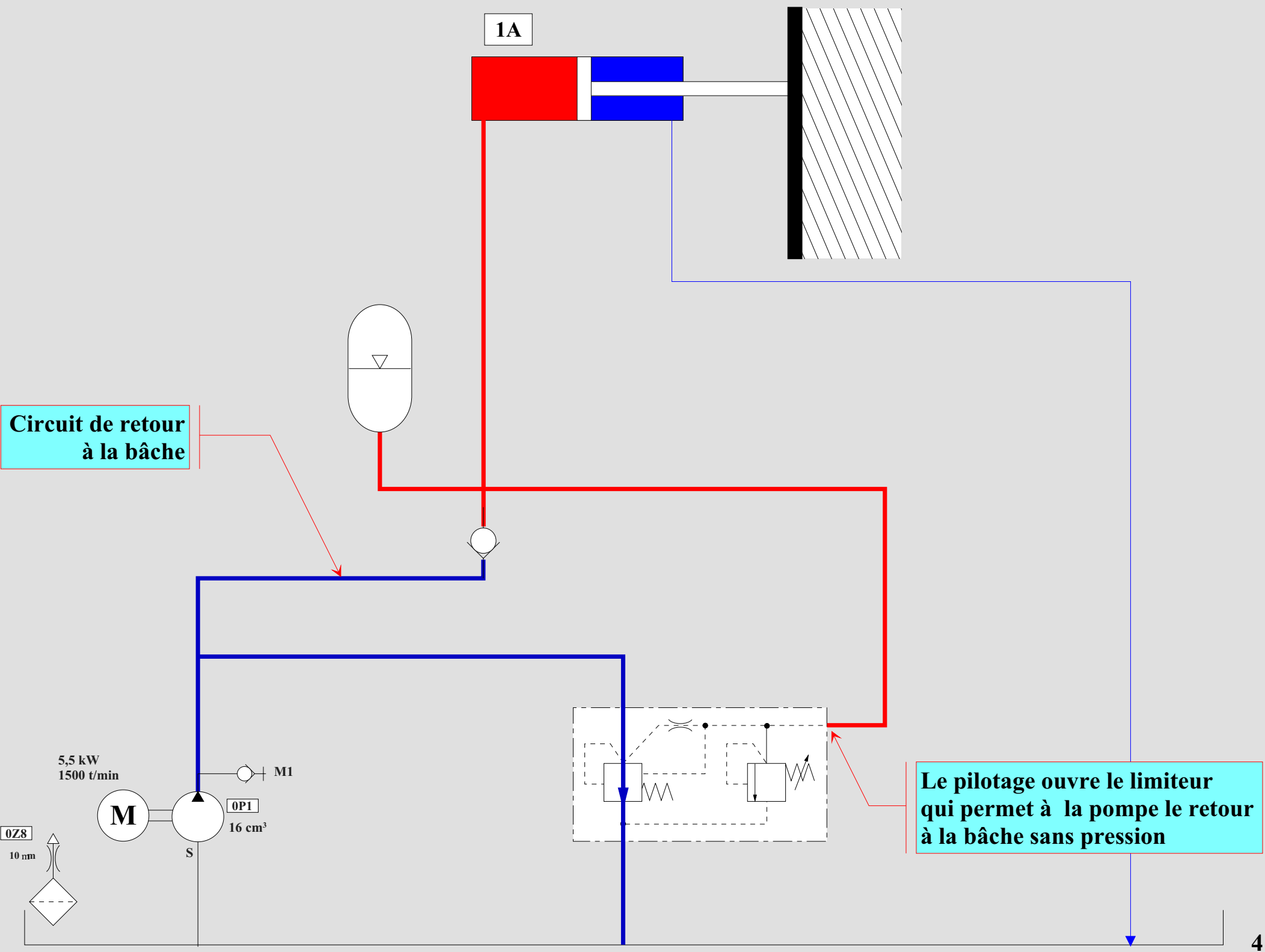
Maintien de la pression de serrage par un accumulateur

Limiteur de pression à 2 étages acceptant un pilotage

5,5 kW
1500 t/min

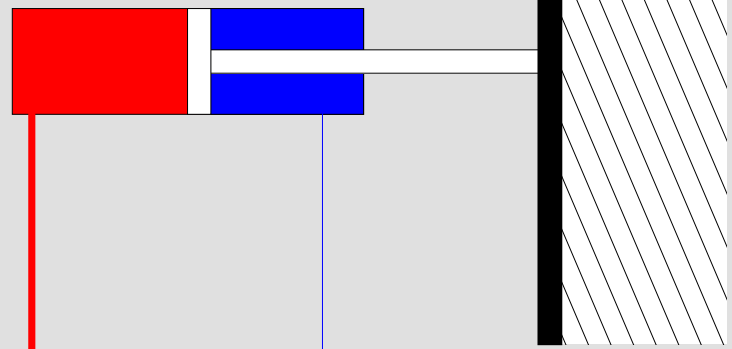
OP1
16 cm³

0Z8
10 mm

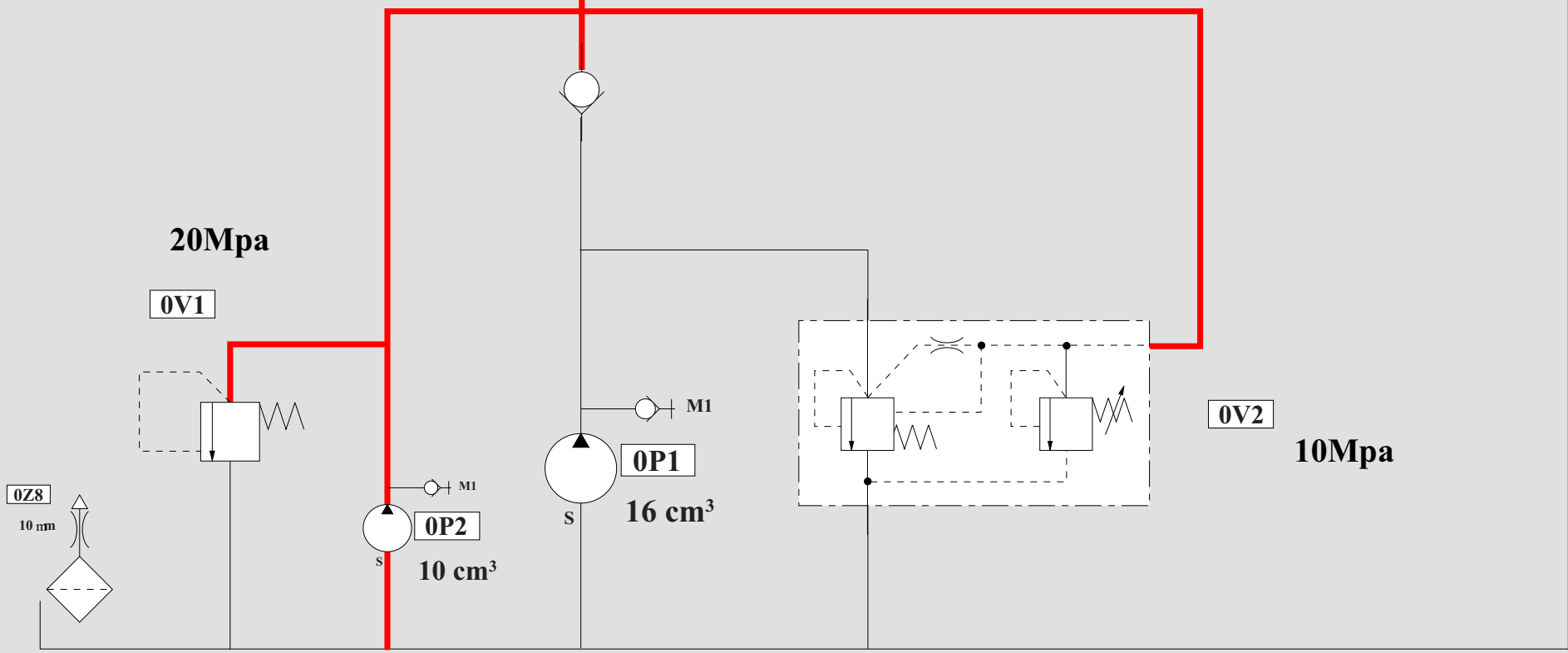
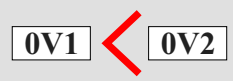


Maintien du serrage par une petite pompe auxiliaire

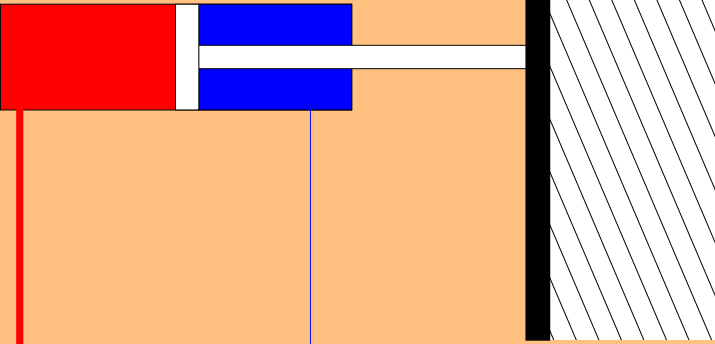
1A



Pression des limiteurs



1A

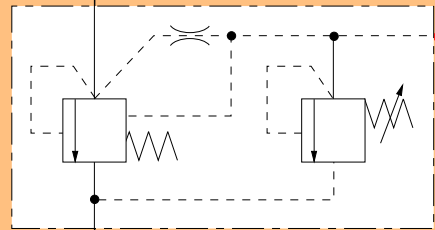
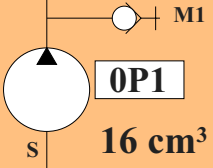
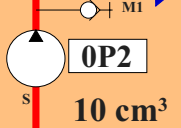
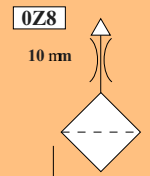


En rouge la pression de serrage déterminée par OV1

La petite pompe OP2 assure le maintien de la pression

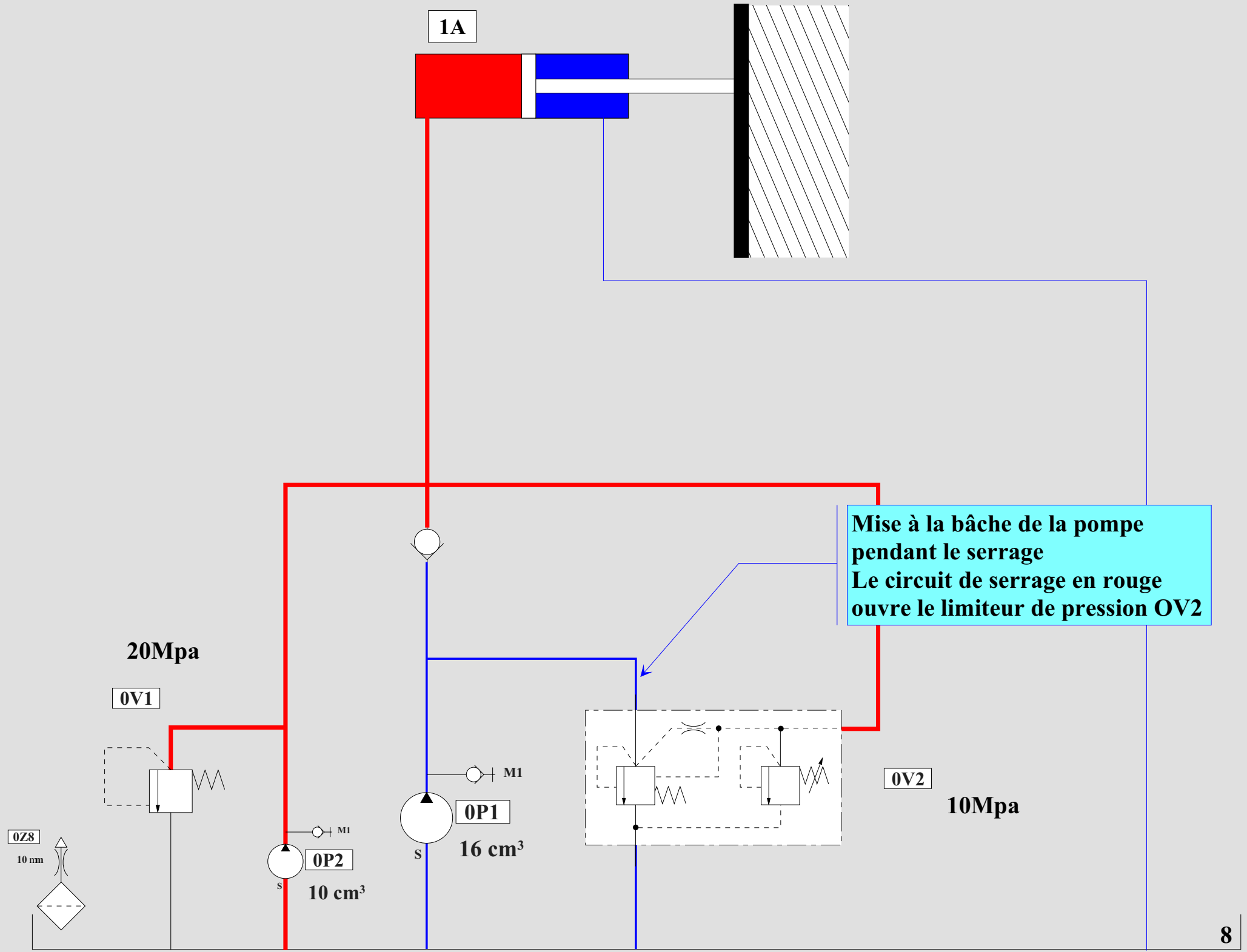
20Mpa

OV1



OV2

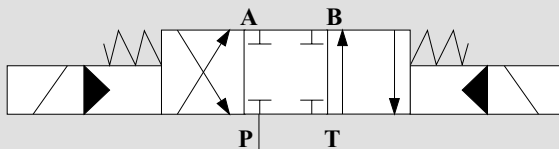
10Mpa



SOLUTION N° 3

Pompe à débit variable

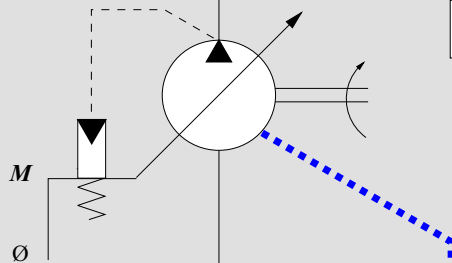
1V1



Pompe à débit variable

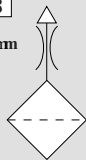
OP1

20 cm³

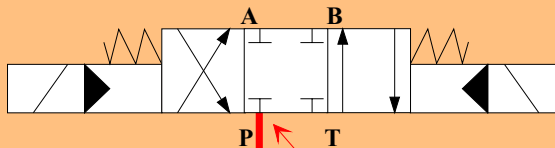


0Z8

10 mm



1V1



La résistance fait monter la pression dans le circuit

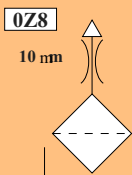
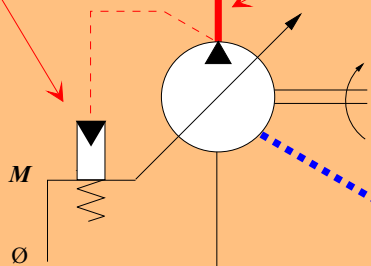
La pression est maintenue dans le circuit

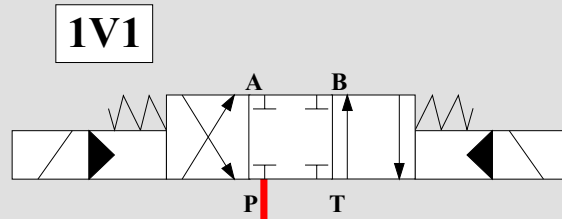
L'information de pression du circuit commande l'arrêt du débit
augmentation de pression = circuit plein

Dès que le circuit est rempli la pompe ne donne plus de débit

OP1

20 cm³

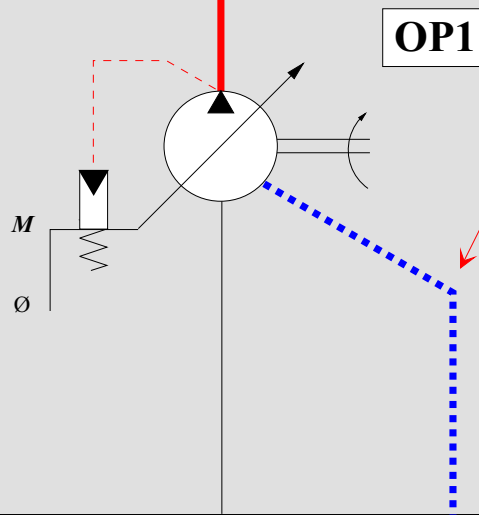




1V1

A
B
P
T

Les fuites interne de la pompe entraine une consommation de puissance

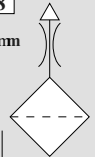


OP1

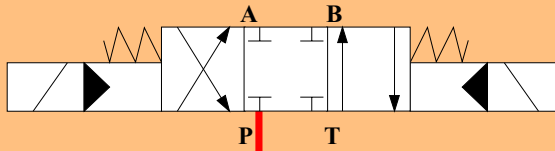
M
Ø

ØZ8

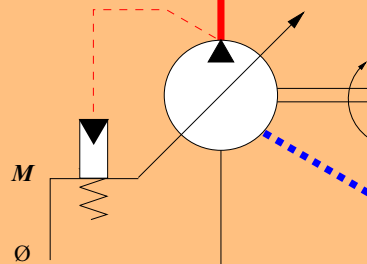
10 mm



1V1



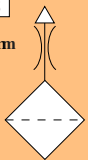
OP1



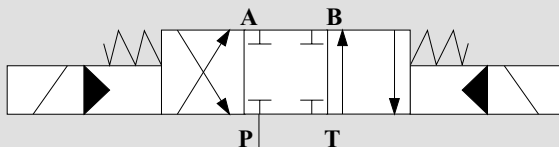
**Comme la pression est maintenue
Le démarrage du moteur sera difficile (couple important)**

0Z8

10 nm



1V1

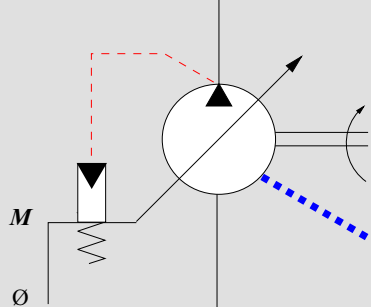


Un vanne permet de faire tomber la pression dans le circuit pour faciliter le redémarrage

1V4



OP1



0Z8

10 mm

