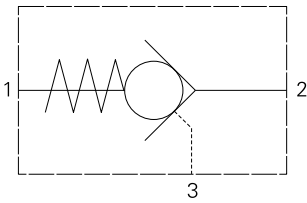
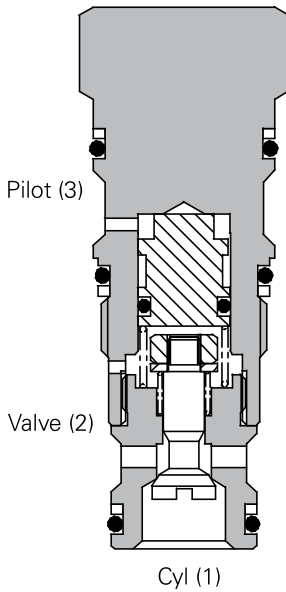


# 4SK30 - Check valve

Pilot-to-open, poppet type  
30 L/min (8 USgpm) • 350 bar (5000 psi)



## Sectional view



## Operation

Pressure on the valve port 2 causes the poppet to lift against the spring force, allowing the flow to the cylinder port 1. Reverse flow is prevented by the poppet reseating. Pressure applied to the pilot port 3 will overcome the cylinder port pressure and lift the poppet from its seat, allowing flow from the cylinder to valve port.

## Features

Hardened and ground poppet gives excellent flow capability for valve size, positive sealing and long working life. Cartridge construction allows installation in actuators, manifold blocks and Hydraulic Integrated Circuits. Fits the same cavity as the overcenter valves of a similar size.

## Performance data

### Ratings and specifications

Figures based on oil temperature of 40° C and viscosity of 32 cSt (150 SUS)

Rated flow	30 L/min (8 USgpm)
Maximum pressure	350 bar (5000 psi)
Pilot ratio	3:1 and 5:1
Cartridge material	Working parts hardened and ground steel. Zinc plated body.
Mounting position	Unrestricted
Cavity number	A20090-T11A
Torque cartridge into cavity	45 Nm (33 lbs ft.)
Weight	0.18 kg (0.39 lbs)
Seal kit number	SK1079 (Nitrile) SK1079V (Viton®)
Recommended Filtration level	BS5540/4 Class 18/13 (25 micron nominal)
Operating temperature	-30° to +90° C (-22° to +194°F)
Leakage	0.3 ml/min nominal
Nominal viscosity range	5 to 500 cSt

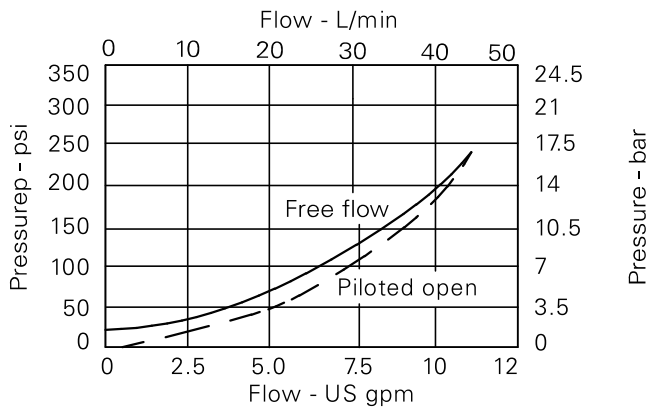
Viton is a registered trademark of E. I. DuPont

## Description

Pilot check valves allow flow to pass in one direction, with a low pressure drop, then prevent reverse flow until pilot pressure is applied. There are many applications for this valve type, the most common being to lock and hold a cylinder, or another hydraulic actuator, in position.

These valves are ideally suited for fitting directly into a cylinder, giving economy of installation, direct control of cylinder movement and ease of servicing.

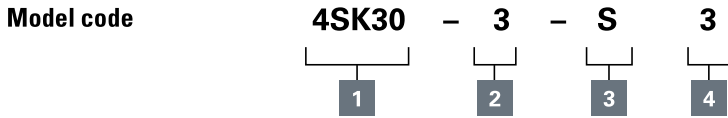
## Pressure drop



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

# 4SK30 - Check valve

Pilot-to-open, poppet type  
30 L/min (8 USgpm) • 350 bar (5000 psi)



1 Basic code	2 Pilot ratio	3 Seals	4 Optional pilot seal
<b>4SK30</b> - Complete valve	<b>3</b> - 3:1 <b>5</b> - 5:1	<b>S</b> - Nitrile (for use with most industrial hydraulic oils) <b>SV</b> - Viton (for high temperature & most special fluid applications)	Omit if not required

## Dimensions

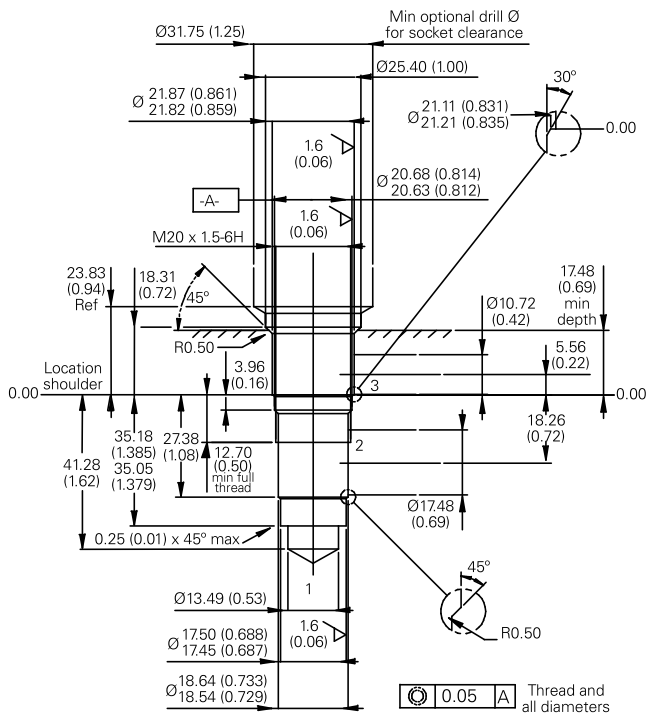
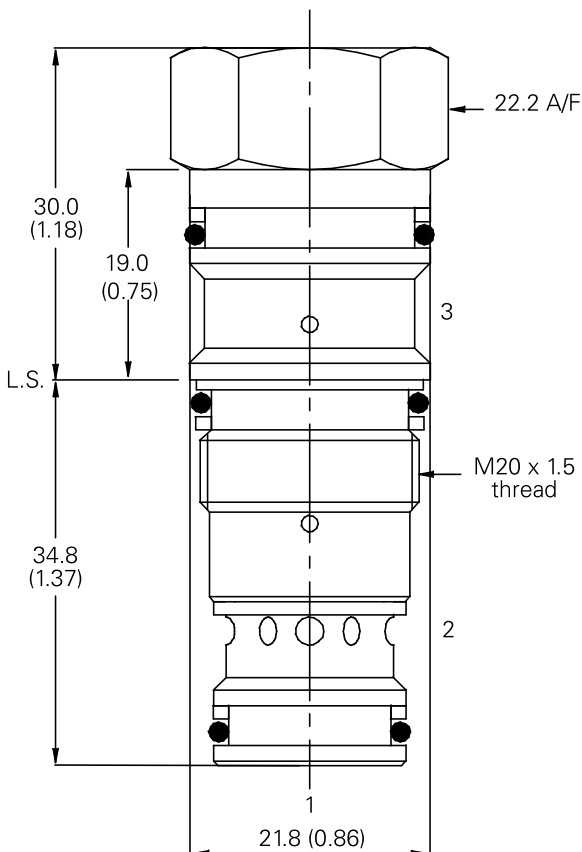
mm (inch)

### Cartridge only

Basic code  
4SK30

### Cavity

Basic code            A20090-T11A  
Form Drill            TD-11A  
Form Reamer        TR11A



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.