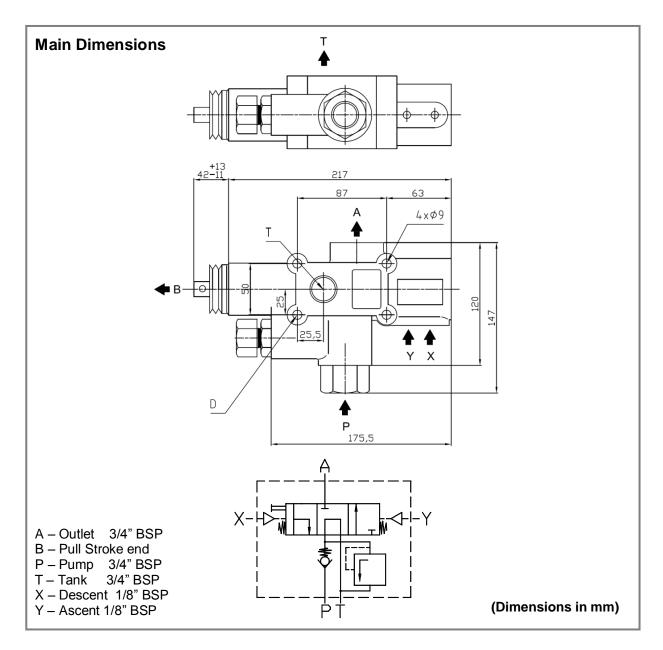


Ref. DTCA130

DT Open Circuit 130 L



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

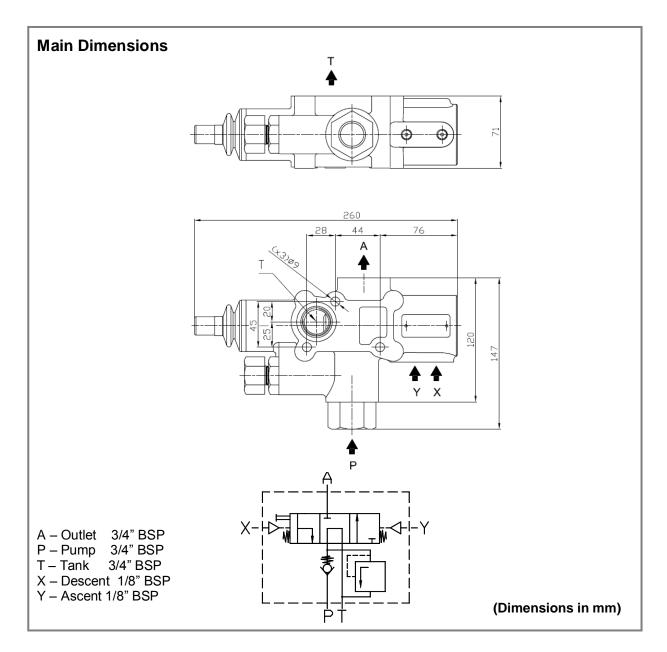
- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).





Ref. DTCA130H

**DT** Open Circuit 130 l/min; progressive descent, type H



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Approx. weight (kg)	5.2

### Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

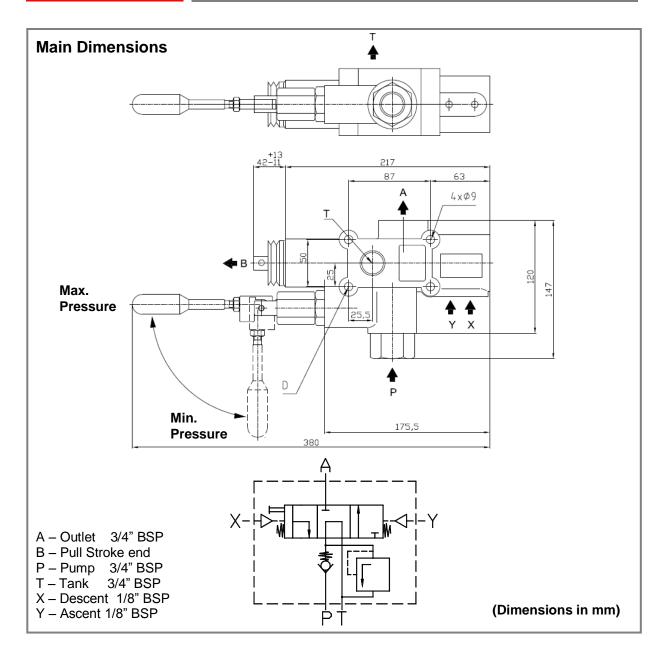




Ref. DTCA1302P

DT

Open Circuit 130 L; 2 Pressure Range



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.5

### Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

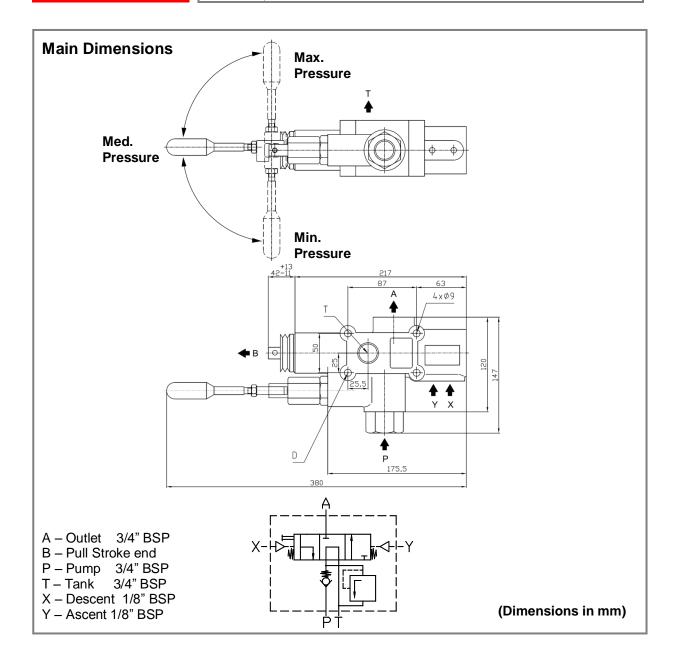




Ref. DTCA1303P

DT

Open Circuit 130 L; 3 Pressure Range



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.5

### Notes:

- √ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

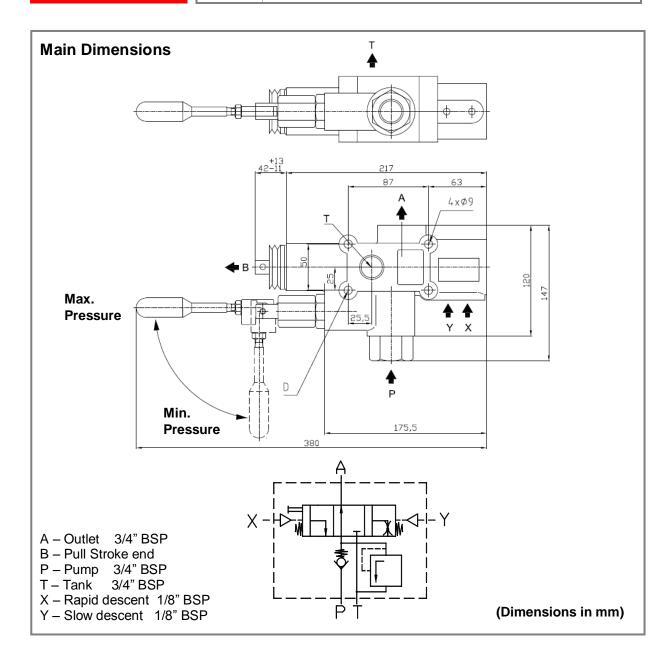




Ref. VVLR1302P

VV

Close Circuit 130 L; 2 Pressure Range



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.5

### Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

ABER is constantly engaged in improving its products and, therefore, reserves itself the right to modify without any further notice the characteristics shown



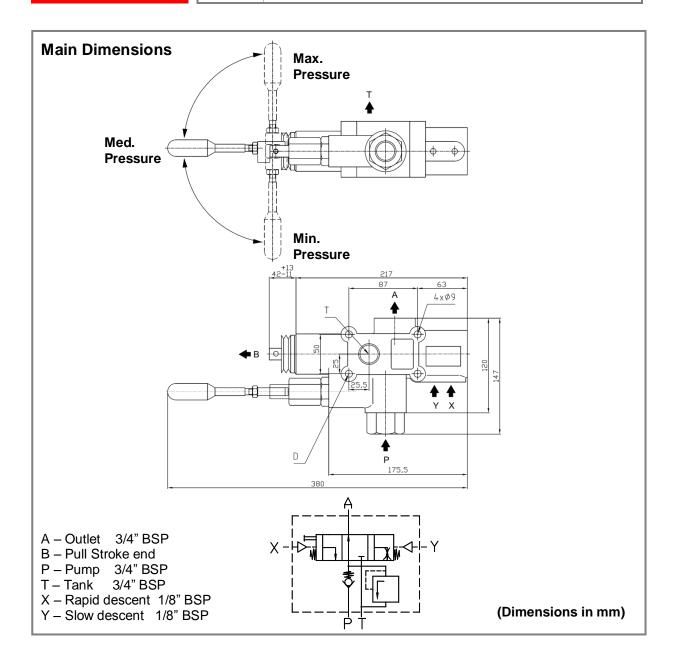
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Ref. VVLR1303P

VV

Close Circuit 130 L; 3 Pressure Range



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.5

### Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

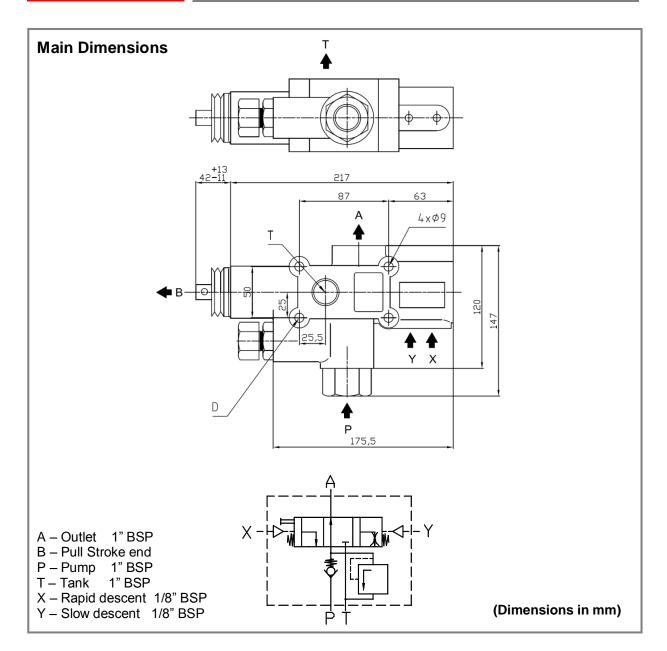




Ref. VVLR13001

VV

Close Circuit 130 L



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

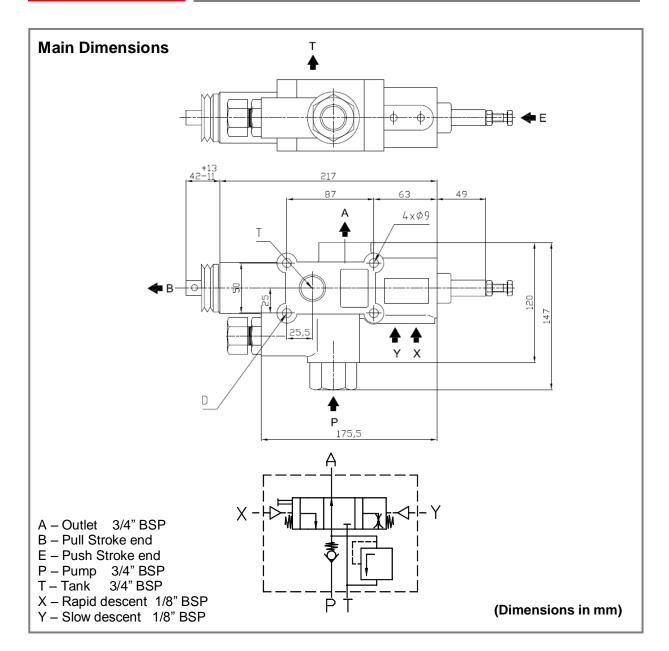




Ref. VVLR130F VVP130F

VV

Close Circuit 130 L; Push Stroke End



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

## Notes:

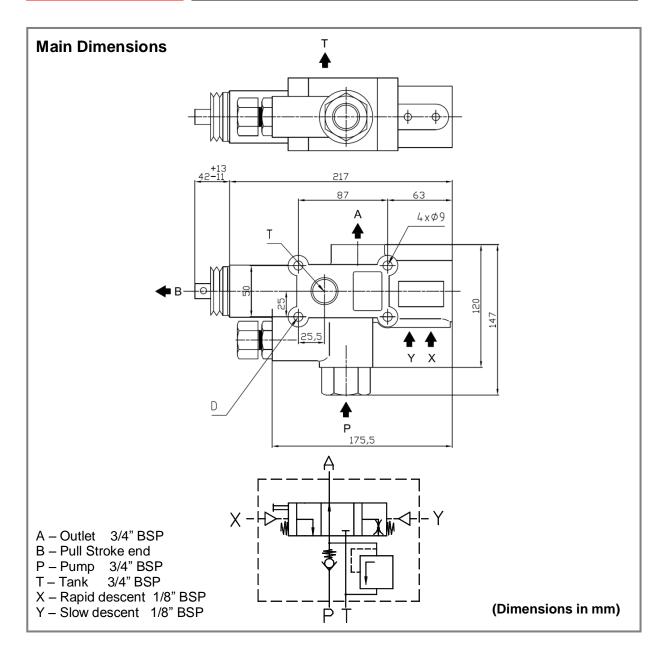
- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).





# Tipping Valve Ref. VVLR130 VVP130

VV Close Circuit 130 L



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

### Notes:

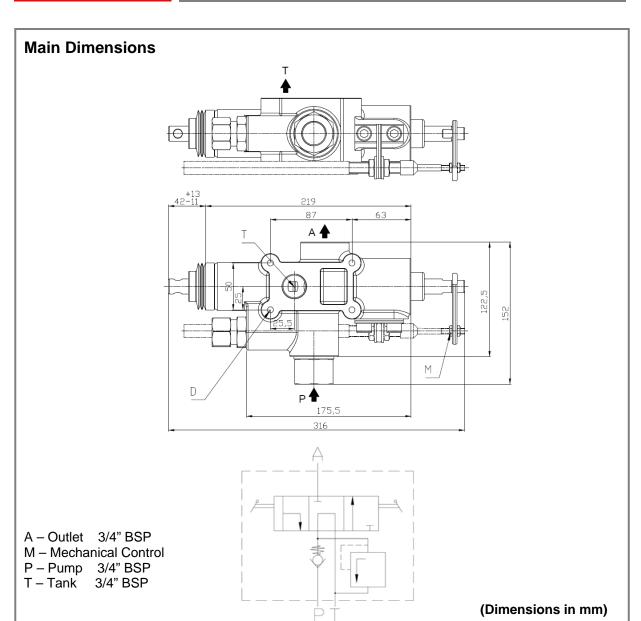
- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).





Ref. DTCA130M

DT Open Circuit 130 I/min.



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

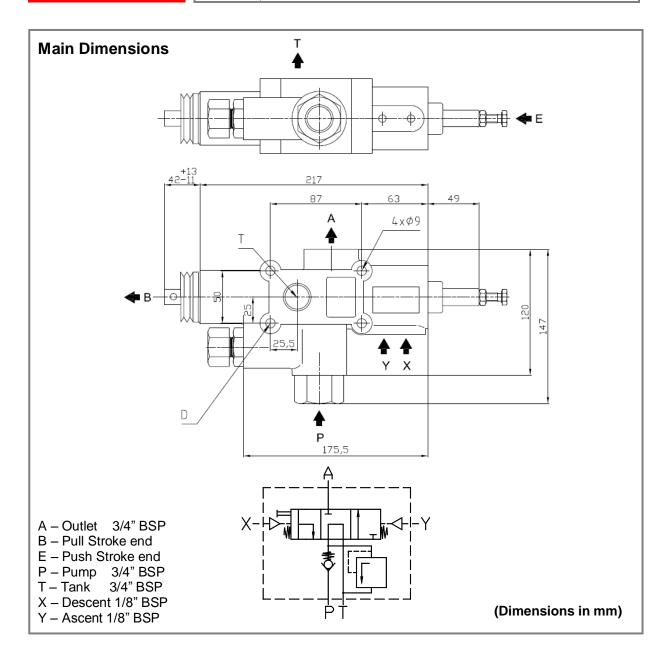




Ref. DTCA130F

DT

Open Circuit 130 L; Push Stroke End



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

## Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).

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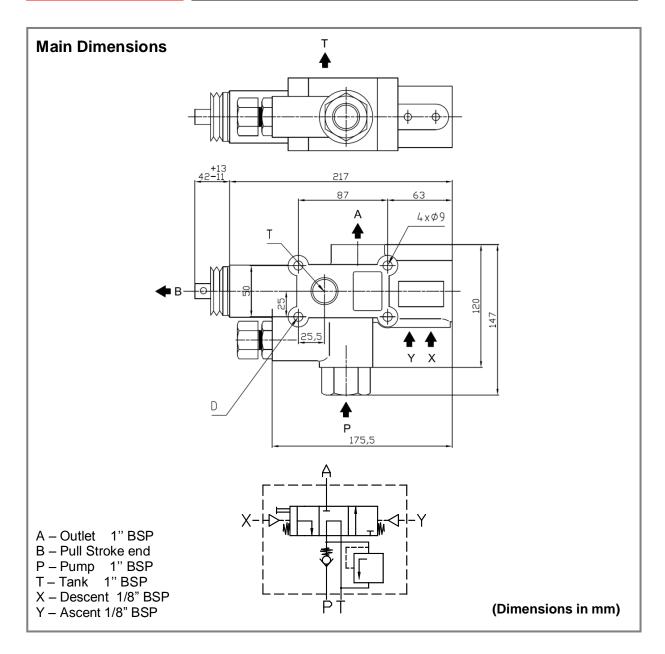


DT

# **Tipping Valve**

Ref. DTCA13001

Open Circuit 130 L



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	5.2

### Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).



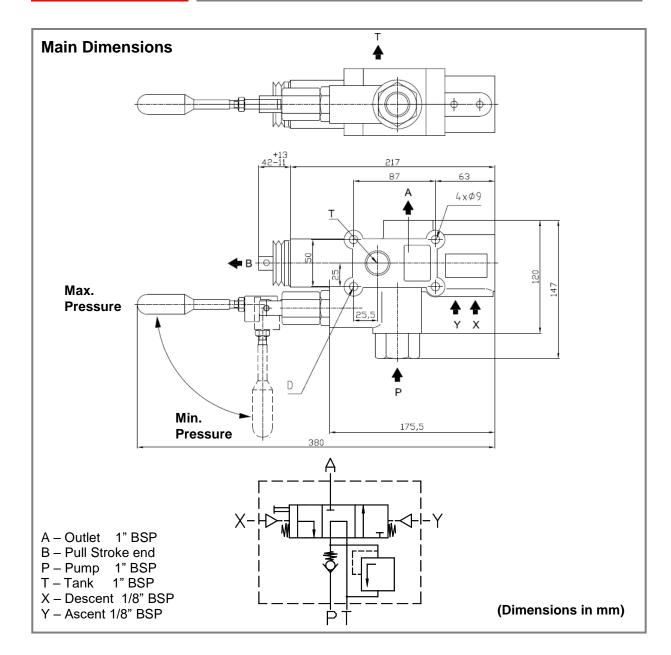


DT

## **Tipping Valve**

Ref. DTCA130012P

Open Circuit 130 L; 1" BSP; 2 Pressure Range



Main Data	
Maximum pressure (Bar)	350
Flow rate (I/min)	130
Weight (kg)	5.5

## Notes:

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).



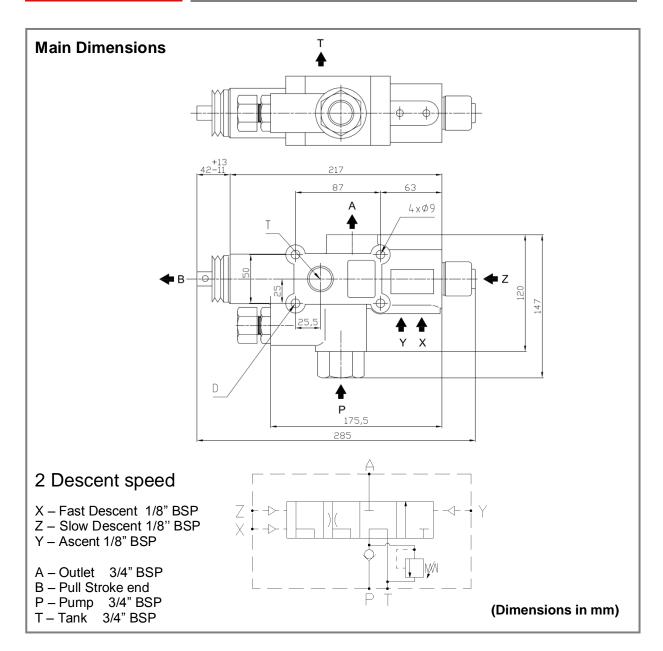


DT

# **Tipping Valve**

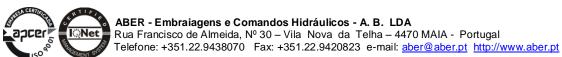
Ref. DTCA1302V

Open Circuit 130 L; 2 Descent Speeds



Main Data	
Maximum pressure (Bar)	350
Operating pressure (Bar)	up to 300
Flow rate (I/min)	130
Weight (kg)	6

- ✓ This tipping valve can be used in progressive descent with our air commands ABCD.
- ✓ Tighten the tipping valve with only three bolts. Do not use the "D" hole. Screw the three bolts with a max. tightening torque of 20 N.m (soft tightening).



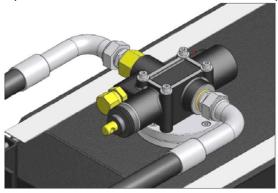


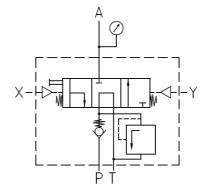
# INSTRUCTION TO ADJUST RELIEF VALVE UP TO 250bar DTCA130

### **Procedure:**

A pressure relief valve is a safety device that relieves overpressure in a hydraulic circuit. When a relief valve is working properly, it protects all the system components against overpressures. To adjust a relief valve, the operator must respect and follow the next steps.

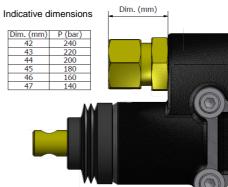
1st- Turn off the whall system and relieve all the pressure in the circuit. Put the air control in the descent position and install a manometer in line "A", please see picture.





2nd- Unscrew the lock washer and tighten the bolt regulator to the correct pressure, following the dimensions in the drawing.





3rd- Tighten the lock washer, put the air control in the neutral position, turn on the system and work with it. Verify if the correct pressure is on manometer.

4th- With the correct pressure in the manometer, turn off the whall the system and relieve all the pressure in the circuit. Put the air control in the descent position and uninstall the manometer.

5th- Tighten everything well again. Put the air control in the neutral position, and your system is ready to work with the new pressure.

**Note**: ABER's pressure relief valves have different springs, lock washers and bolt regulators. The different working pressures are up to 250bar and higher than 250bar. A valve controlled to work at 160bar never can be adjusted for a pressure higher than 250bar, and a controlled valve to work at 300bar never can be adjusted to work up to 250bar.

