# PRODUCT**DATA**

AE437.

# PD-113-230

# Park/Shunt Valve with Integrated Charging Valve

#### **Function**

The **Park/Shunt Valve AE437.** enables the manual release and application of the trailer brakes. This variant is designed to be used with the TEBS G2.1 and G2.2 Brake Module which incorporates the automatic brake function to improve its response time.

The Park/Shunt Valve AE437. is built with a plastic housing and equipped with an integral charging valve and push-to-connect fittings.

The plastic housing protects against corrosion and ensures a long life.

The charging valve ensures the priority charging of the brake reservoir before supplying pressure to the auxiliary circuit (air suspension). In the event of pressure loss in the brake system or auxiliary circuit the valve will protect the pressure in the intact circuit.

The Park/Shunt Valve AE4370 for semi and centreaxle trailers has the following functionality:

- Manual control of the parking brake (red knob)
- Manoeuvring (shunt) function for use when the trailer is uncoupled (black knob)

The Park/Shunt Valve AE4371 for drawbar trailers has an integral front axle valve. This valve ensures that the service brakes on the front axle of a drawbar trailer are applied when the supply line is disconnected.

By pulling out the red knob and pushing in the black knob, the brakes on the front axle will be released for coupling the drawbar trailer to the truck.





#### **Technical Features**

Opening Pressure =

Closing Pressure =

Maximum operating pressure:
Operating temperature range:
Weight:
Charging Valve:

6.0 bar

5.2 bar

10.0 bar	
-40 °C to +80	°C
AE4370	0.7 kg approx
AE4371	1.0 kg approx

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# Park/Shunt Valve with Integrated Charging Valve

#### **Range Overview**

Part No.	Type No.	Integral Charging Valve	Integral Front Axle Valve	Number of Connections	Push-to-Connect Fittings supplied
K141700 <sup>1)</sup>	AE4370		No	5	V
K141699 <sup>1)</sup>	AE4371	res	Yes	7	Yes
Information Plate:	K05	6570 <sup>1)</sup>	1	1	1

Information Plate:

<sup>1)</sup> The part number will carry a suffix, "N##" which defines the packaging requirements of different market sectors, e.g. N00, N50. Example: K141700N00 - is supplied without packaging.

Dort	Valve		Connection	Push-to-Connect Fittings	
FUIL	AE4370	AE4371	connection	(to suit pipe size)	
1	Х	Х	Supply (from red line)		
1-2	Х	Х	Supply/Delivery (from/to brake reservoir)		
11		Х	Supply (from yellow line)	0 v 1	
21	Х	Х	Delivery (to TEBS Brake Module)		
22	Х	Х	Delivery (to auxiliaries)		
23		Х	Delivery (to front axle modulator)		
3	Х	Х	Exhaust		

# Park/Shunt Valve with Integrated Charging Valve

#### Dimensions



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Park/Shunt Valve	Front Axle Valve (FAV)
AE4370	No
AE4371	Yes

K056570





## Park/Shunt Valve with Integrated Charging Valve

#### Installation example AE4370 with TEBS G2.1

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#### Installation example AE4371 with TEBS G2.1 and TEPM-P



ltem	Description	ltem	Description
1	Park/Shunt Valve with integrated charging valve	6	Coupling head with filter (Control) - Yellow
2	TEBS G2.1 brake module	7	Park/Shunt Valve with integrated charging valve and integral
3	Brake reservoir	/	front axle valve
4	Spring brake actuator	8	Trailer Electro-Pneumatic Module Premium (TEPM-P)
5	Coupling head with filter (Supply) - Red	9	Brake chamber

## Park/Shunt Valve with Integrated Charging Valve

#### Installation example AE4370 with TEBS G2.2

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#### Installation example AE4371 with TEBS G2.1 and TEPM-P



ltem	Description	ltem	Description
1	Park/Shunt Valve with integrated charging valve	6	Coupling head with filter (Control) - Yellow
2	TEBS G2.2 brake module	7	Park/Shunt Valve with integrated charging valve and integral
3	Brake reservoir	/	front axle valve
4	Spring brake actuator	8	Trailer Electro-Pneumatic Module Premium (TEPM-P)
5	Coupling head with filter (Supply) - Red	9	Brake chamber





### Park/Shunt Valve with Integrated Charging Valve

#### **Revision Details**

Rev. 003	April 2019	New Layout		



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