



**FIRST CHOICE WORLDWIDE**  
TOOLS, SERVICE DEVICES, BRAKE FLUIDS

## THE FIRST CHOICE OF AUTOMAKERS IS FTE (A VALEO BRAND). WHAT'S YOURS?

To become a global market leader, you need excellent customer relationships, built on sustainable performance. With our hydraulic clutch actuation systems, we are proud to have accomplished this. An expert in brake and clutch hydraulics and delivering German state-of-the-art engineering, we are a preferred devel-

opment partner to the international automotive industry. To repair shops, we offer the same exacting standards in the form of high-quality tools and equipment for first-class vehicle service. Make the automakers' first choice your choice too and increase your customer satisfaction with our spare parts.

### IMPULSE FILLING AND BLEEDING DEVICE

All standard clutch and brake systems including ABS, EDS, ESP and SBC systems can easily and safely be filled, flushed and bled by just one person. A pulsating fluid flow reliably eliminates air bubbles in the hydraulic system, while the automatic self-bleeding feature ensures bubble-free discharge of the brake fluid. An automatic cut-out function prevents air from entering the hydraulic system. The electro-hydraulic suction apparatus enables complete evacuation of the compensating reservoir. A special leak test allows for the detection of leaks even at low pressures.

Filling pressure continuously adjustable from 0 - 3.5 bar. Wheeled. Suitable for 5- to 20-litre drums of brake fluid. **W0300**



### FILL / BLEED ADAPTERS

We offer a broad range of fill and bleed adapters to facilitate filling and bleeding of brake and clutch systems. They are compatible with almost all fluid reservoirs in the vehicle.



**UNIVERSAL ADAPTER  
THREAD 45X7 PITCH/1"**  
for almost all European vehicles  
**W1024U**



**UNIVERSAL ADAPTER  
THREAD 45X7 PITCH/1"**  
as W1024U, with rotating elbow  
**W1054U**



**CONNECTING PIECE**  
for individually manufactured filler caps  
**W1047**

### FILLING HOSE

for bleed valves for the filling and bleeding of hydraulic brake or clutch systems  
**W1045**



## TEST CONNECTORS

Connectors facilitate handling when checking the varying pressures within a hydraulic brake system. Optimally complementing our brake pressure tester W0080E, our test connectors match all types of vehicle.



**TEST CONNECTOR**  
With 3 connections each  
Connecting thread M 12 x 1  
Fixing hole diameter D = 9 mm  
**W0089**  
Connecting thread M 14 x 1,5  
Fixing hole diameter D = 9 mm  
**W0095**



**TEST CONNECTOR**  
With 2 connections each  
Connecting thread M 12 x 1  
Fixing hole diameter D = 8,5 mm  
**W0088**



**ASSEMBLY PASTE**  
4-6 g polyester pouch  
**W0119**

## ACCESSORIES

Our portfolio of fill and bleed adapters and test connectors is rounded off by a range of practical accessories and tools to facilitate the maintenance of hydraulic brake systems in vehicles.



### BLEED BOTTLE

To bleed or replace the brake fluid, the catch bottle is connected to the bleed valves via a flexible silicone tube. The mechanic can instantly see whether the brake fluid flow is bubble-free and check the released volume against a scale.

**W1072** for W0300  
Volume: 1100 ml  
**W1014** for W0100  
without scala  
Volume: 1000 ml



### ASSEMBLY PIN

The ideal aid for various types of work on brake hydraulic systems. Flattened and blunt, the assembly pin helps avoid damage.

**IBMN001**

# BRAKE FLUIDS

## SPECIFICATIONS

**DOT 4:** SAE J1704, FMVSS § 571.116, ISO 4925 standards in the relevant categories

**DOT 4+:** SAE J1704 (Low Viscosity), FMVSS § 571.116, ISO 4925 (Class 6) standards in the relevant categories

**DOT 5.1:** SAE J1704, FMVSS § 571.116, ISO 4925 (Class 5-1) standards in the relevant categories

Suitable for all hydraulic brake systems based on glycol ethers and polyglycol technology but not with products based on mineral and silicone oils.

Since brake fluid is hygroscopic, i.e. water is absorbed over time, we recommend changing the brake fluid regularly. Only the timely change ensures the full performance of the braking system in all driving situations.

## TECHNICAL DATA

	Dry boiling point ≥ [°C]	Wet boiling point ≥ [°C]	Viscosity at -40 °C [cSt]
DOT 4	230	155	1,500 max
DOT 4+	250	165	750 max
DOT 5.1	260	180	900 max

## PRODUCT OVERVIEW

Brake Fluid	Content	Order number
DOT 4	250 ml	DOT4-0.25LTR
	500 ml	DOT4-0.5LTR
	1 Liter	DOT4-1LTR
	5 Liter	DOT4-5LTR
	20 Liter	DOT4-20LTR
DOT 4+	1 Liter	DOT4+-1LTR
	5 Liter	DOT4+-5LTR
DOT 5.1	1 Liter	DOT5.1-1LTR



Authorized dealer

[www.fte.de](http://www.fte.de)