



# ***D201 Flow Divider / Combiner Valves***

*Catalog FI-EN109-A  
August 2006*



**FEATURES**

Compact and light flow divider / combiner.  
 Excellent dividing / combining accuracy.  
 Free wheel operation with low pressure drop.  
 High flow capacity.

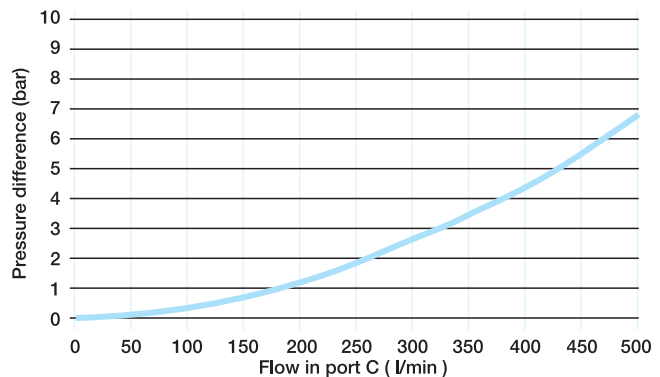
**DESCRIPTION**

D201 valve is a flow divider/ combiner. The valve divides the inlet flow into two flows according to its flow dividing ratio. The valve also combines two flows into one flow according to the same ratio. The flow dividing / combining ratio is constant over a wide flow and pressure range. The valve is normally in free wheel operation. Switching to dividing / combining operation is made hydraulically. D201 valve is especially designed for hydrostatic transmissions of mobile machines.

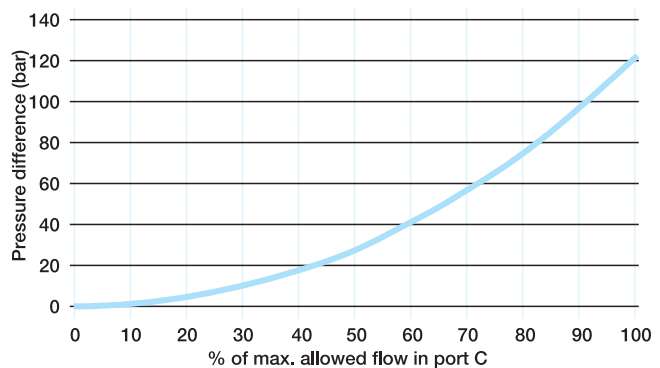
Measuring conditions: Oil viscosity 35 mm<sup>2</sup>/s

**PRESSURE DROP CURVES**

**Free wheel operation**



**Diving / combining operation**

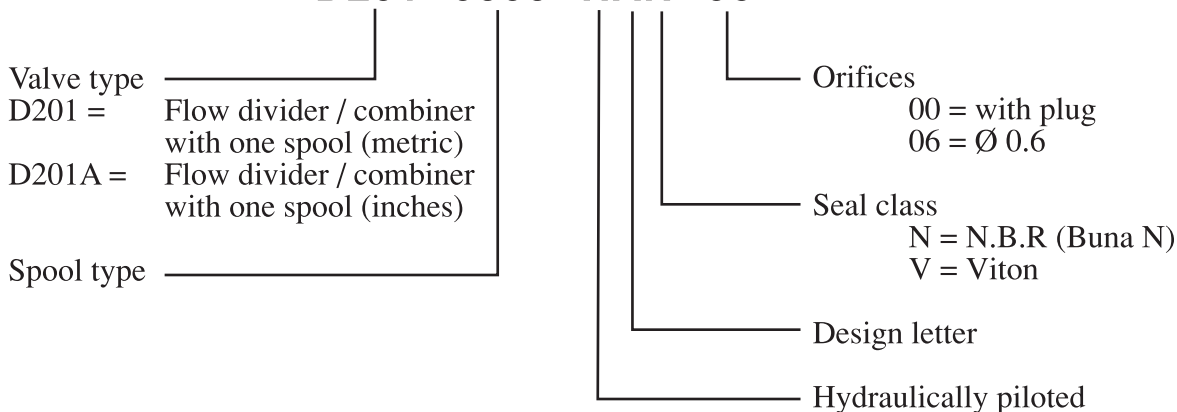


**CHARACTERISTICS**

Mounting position	Optional
Operating pressure range	0...350 bar
Min. pilot pressure	Pressure in port T + 15 bar
Max. pilot pressure	50 bar
Max. pressure in port T	5 bar
Nominal flow in port C in free wheel operation	400 l/min
Dividing accuracy	<±2% of the max. allowed flow in port C when pressure difference in between A and B is max. 200 bar.
Fluid	Mineral oil
Contamination level	Minimum to NAS 1638 Class 9
Fluid temperature range	-20 ... +70° C
Viscosity range	2,8 ... 380 mm <sup>2</sup> /s (cSt)
Recommended operating viscosity	35 mm <sup>2</sup> /s (cSt)
Weight	12 kg

**ORDERING CODE**

**D201 - 0505 - HAN - 06**

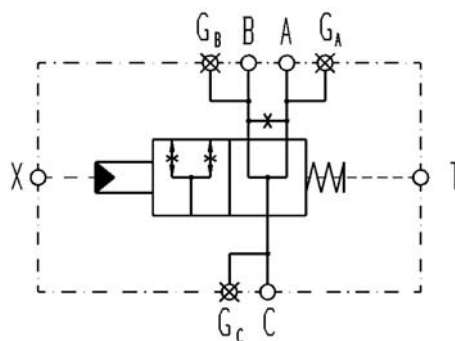


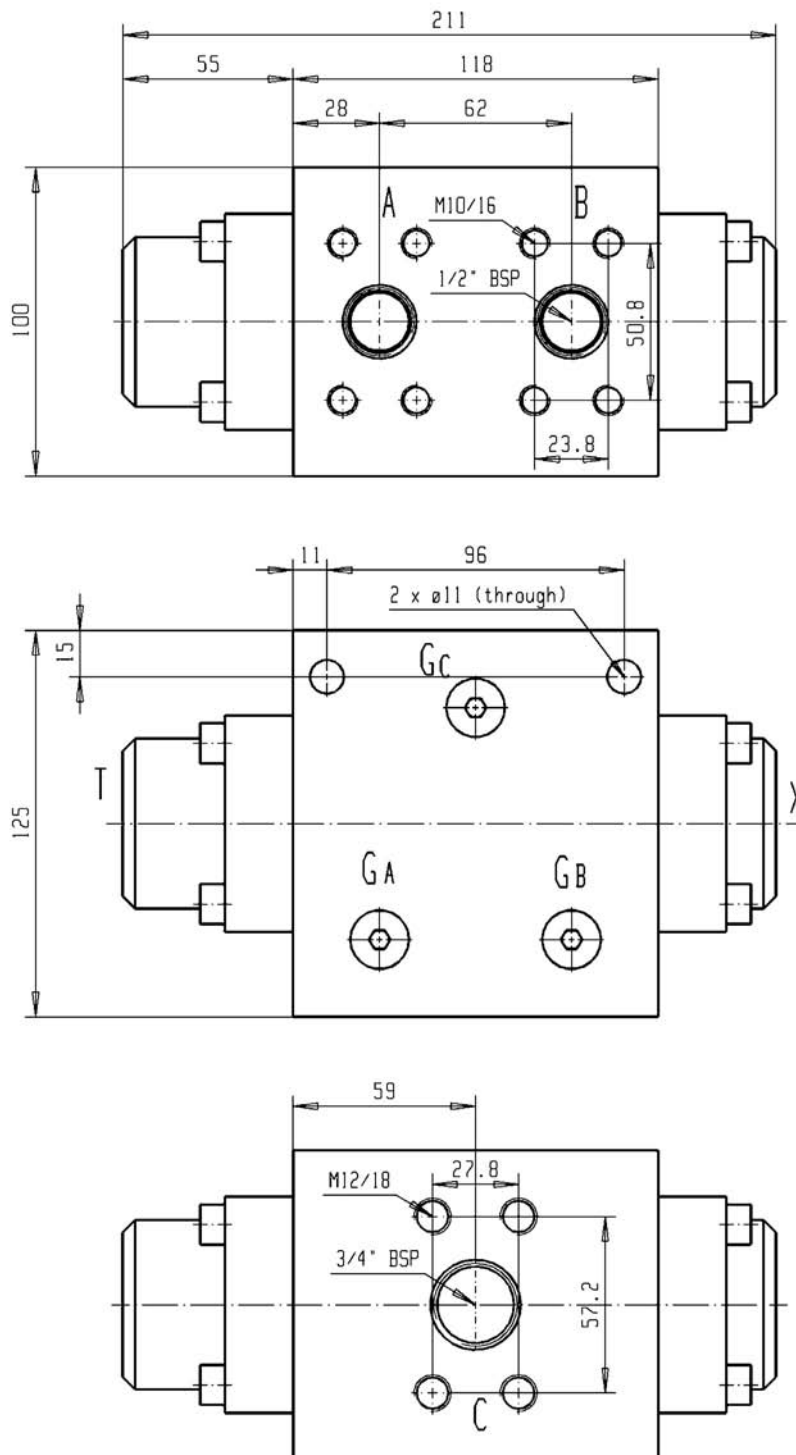
Spool type	Dividing / combining ratio in ports A and B	Max. allowed flow in port C in dividing / combining operation
0505	1 : 1	100 l/min
0707	1 : 1	140 l/min
1010	1 : 1	200 l/min
1414	1 : 1	280 l/min

Other ratios on request.

**SYMBOL**

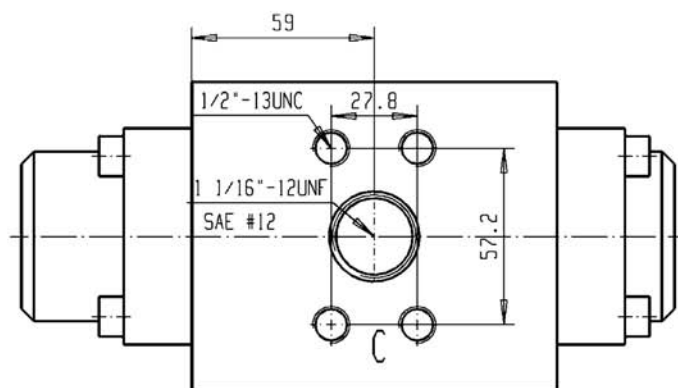
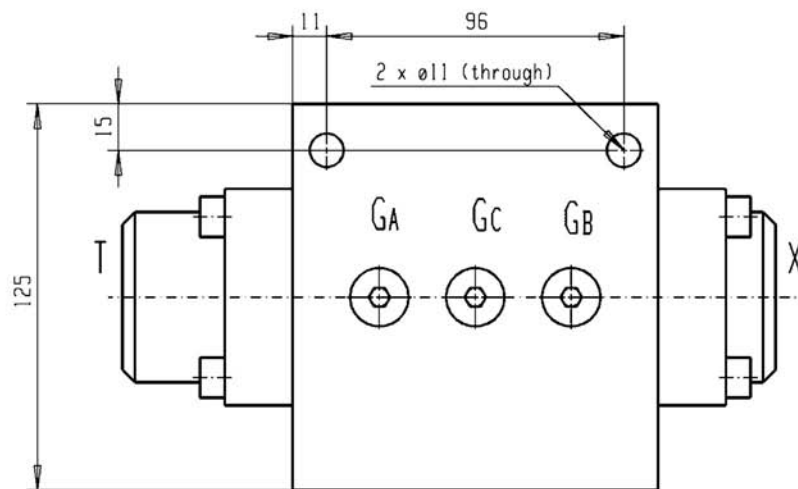
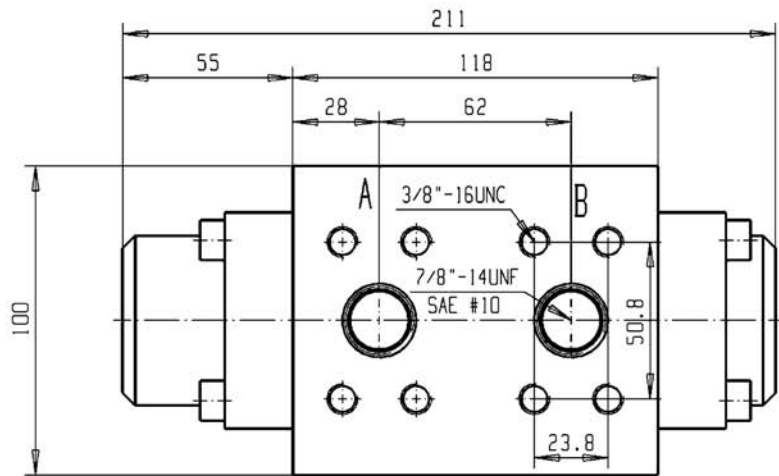
NOTE: It is not allowed to close port X during operation. Internal leakage can cause malfunction. Port T must be connected to unpressurized tank.





**CONNECTIONS**

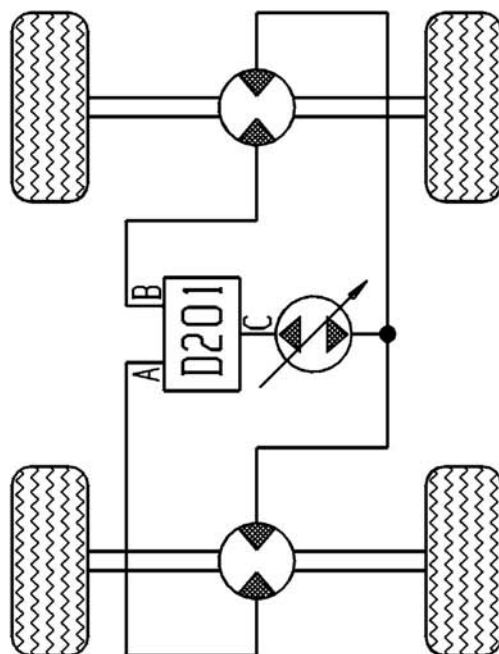
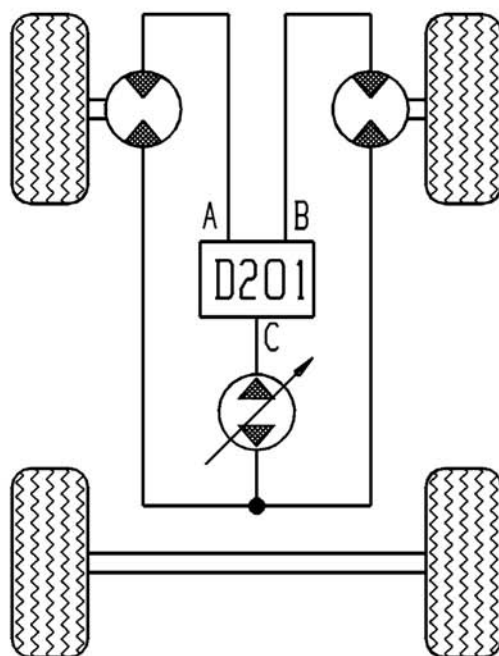
- C = SAE 1" 6000 psi (3/4" BSP)
- A,B = SAE 3/4" 6000 psi (1/2" BSP)
- X,T = 1/4" BSP
- Ga,Gb, Gc = 1/4" BSP

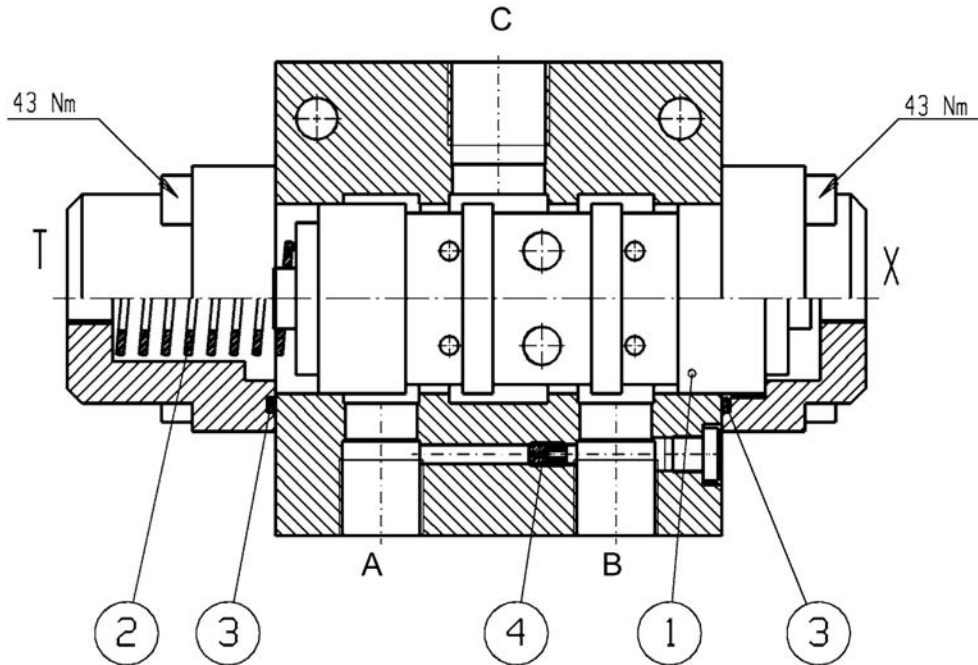


**CONNECTIONS**

- C = SAE J518C 1" 6000psi (1 1/16"-12UNF)
- A,B = SAE J518C 3/4" 6000 psi (7/8"-14UNF)
- X,T = 1/2"-20UNF
- Ga,Gb, Gc = 1/2"-20UNF

HYDROSTATIC TRANSMISSION





ITEM	PART	CODE
1	SPOOL 0505	39655202
1	SPOOL 0707	39655206
1	SPOOL 1010	39655210
1	SPOOL 1414	39655207
2	SPRING	TE326500
3	O-RING (N)	OR300545
3	O-RING (V)	OR300546
4	PLUG M6*6	PI060060
4	ORIFICE M6*6-0.6	KU006060

**⚠ WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

**Offer of Sale**

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale".

---

**Parker Hannifin Oy**

Lokomec  
Tampere  
Finland



**Parker Hannifin Oy**

Lokomec

Polunmäenkatu 22, P.O. Box 116  
FIN-33721 Tampere, Finland

Tel: +358 20 753 2600

Fax: +358 20 753 2601

[www.lokomec.fi](http://www.lokomec.fi)

[www.parker.com](http://www.parker.com)

Catalog FI-EN109-A

FIN 8/2006

