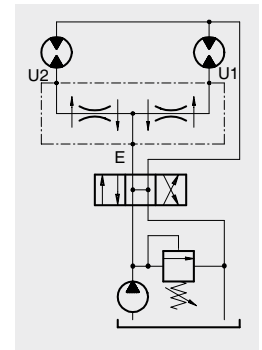


**Operation**

The valve is designed to divide the incoming flow in E (2) into two separate deliveries U1 and U2 (1 e 3) depending on the valve divide ratio. Pressure variations in U1 and U2 (1 e 3) do not alter the outlet delivery. In the opposite direction, the valve works combining together the inlet flows U1 and U2 (1 e 3).



**Performance**

**Body Valves**

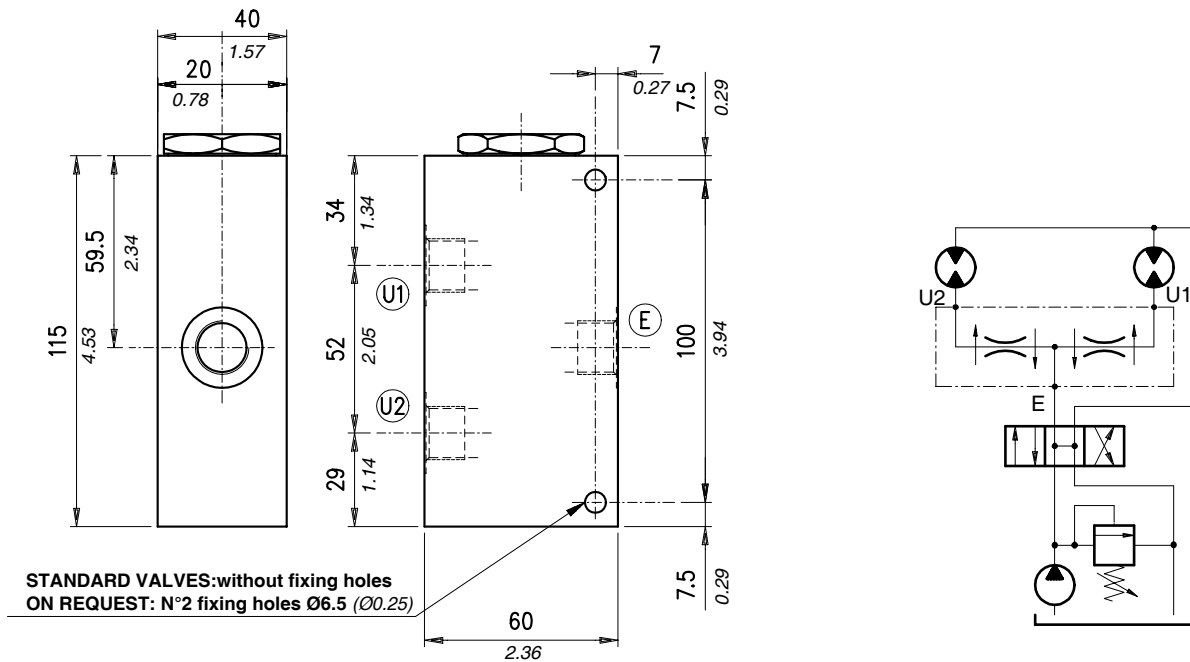
Type VDFR	Flow		Max. pressure (bar)	Standard division ratio	On request division ratio	Maximum division error	Weight	
	l/min	US gpm					alum.	steel
VDFR 38-12	4÷12	1÷3.1	210 -3050 psi- (aluminium body) 350 -5100 psi- (steel body)	50%÷50%	33%÷66% 30%÷70% 20%÷80% 25%÷75% 40%÷60%	± 5% of the oil flow in U1 or U2 and 120 bar -1750 psi- pressure difference between U1 and U2. (Division rate 50%÷50%)	0,85	1,86
VDFR 38-24	12÷24	3.2÷6.3					1.87	4.1
VDFR 12-40	24÷40	6.3÷10					0,85	1,86
VDFR 34-90	40÷90	11÷24					1.87	4.1
VDFR 100-150	90÷150	24÷40					2,10	4,42
VDFR 114-250	200÷250	53÷66					4.63	9.74
			2,07	4,27				
			4.56	9.41				
			2	5.6				
			4.41	12.34				

\* Please contact our sales dept.

**Cartridges**

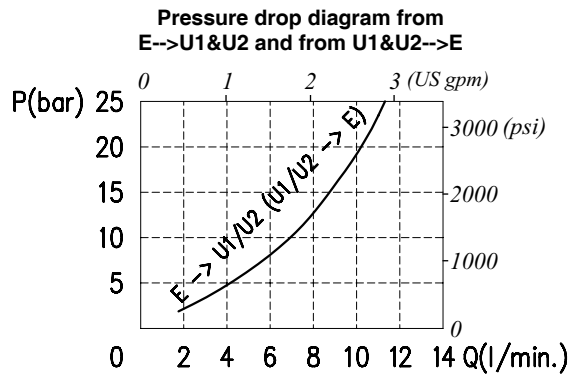
Type PD	Flow		Max. pressure (bar)	Standard division ratio	Maximum division error	Cavities and tools	Weight	
	l/min	US gpm					kg	lb
PD10B/□1□□	12÷24	3.2÷6.3	210 -3050 psi-	50%÷50%	± 5% of the oil flow in 1 or 3 and 120 bar -1750 psi- pressure difference between 1 and 3. (Division rate 50%÷50%)	see page 131 SAE 10-4	0,20	0,44
PD10B/□2□□								
PD10B/□3□□								
PD10B/□4□□								
PD10B/□5□□								
PD12B	40÷75	11÷20				see page 131 SAE 12-4	0,30	0,66
PD16C	75÷150	20÷40				see page 131 SAE 16-4	0,55	1,21

## Dimensions and hydraulic circuit



E	U1-U2
G 3/8	G 3/8

## Rating diagrams



## Order code

VDFR 38-12 / □ / □

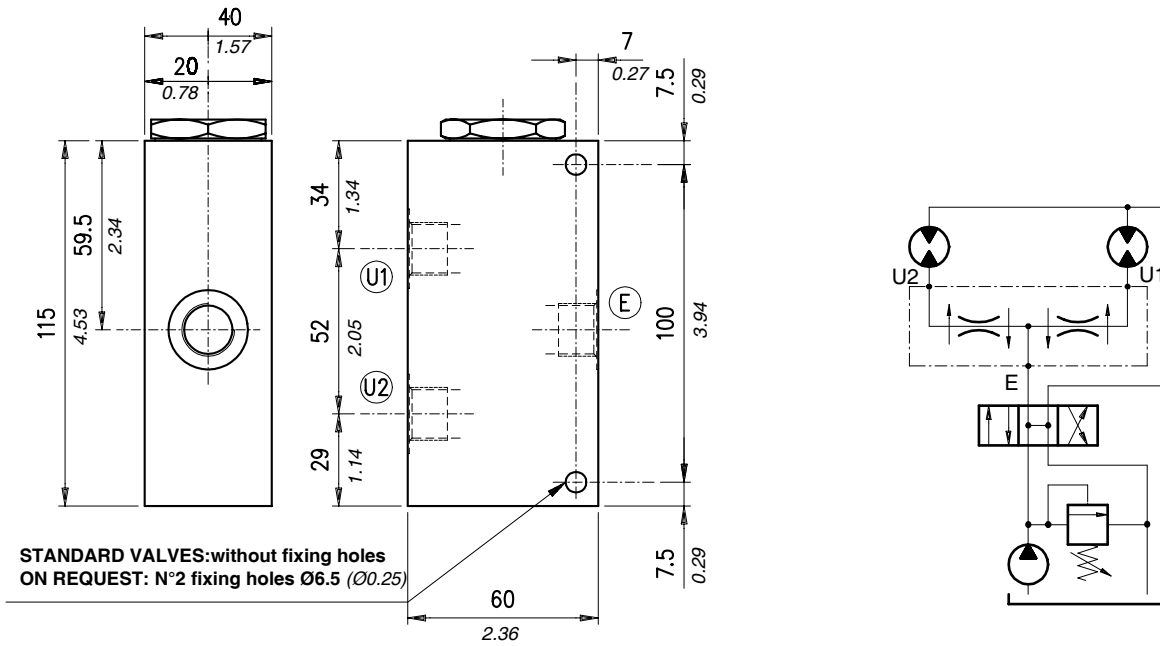
Flow Division Ratio between  
U1 and U2 (%)

- \_ standard division ratio 50 -50
- 33 - 66
- 30 - 70
- 20 - 80
- 25 - 75
- 40 - 60

Body material

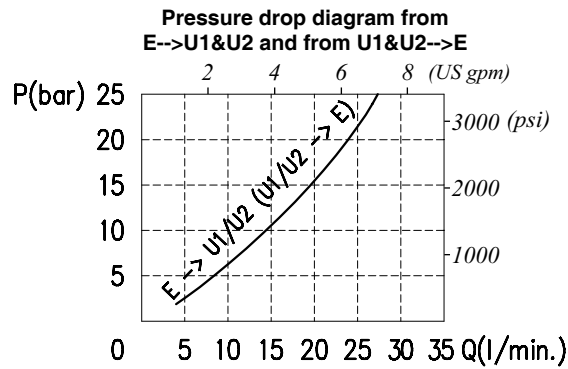
- \_ Aluminium
- AcSteel

**Dimensions and hydraulic circuit**



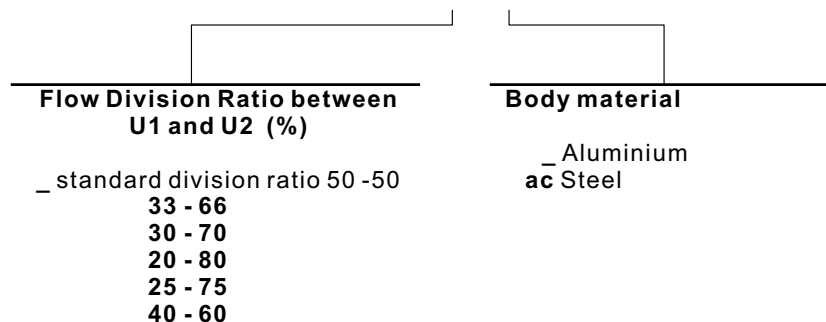
E	U1-U2
G 3/8	G 3/8

**Rating diagrams**

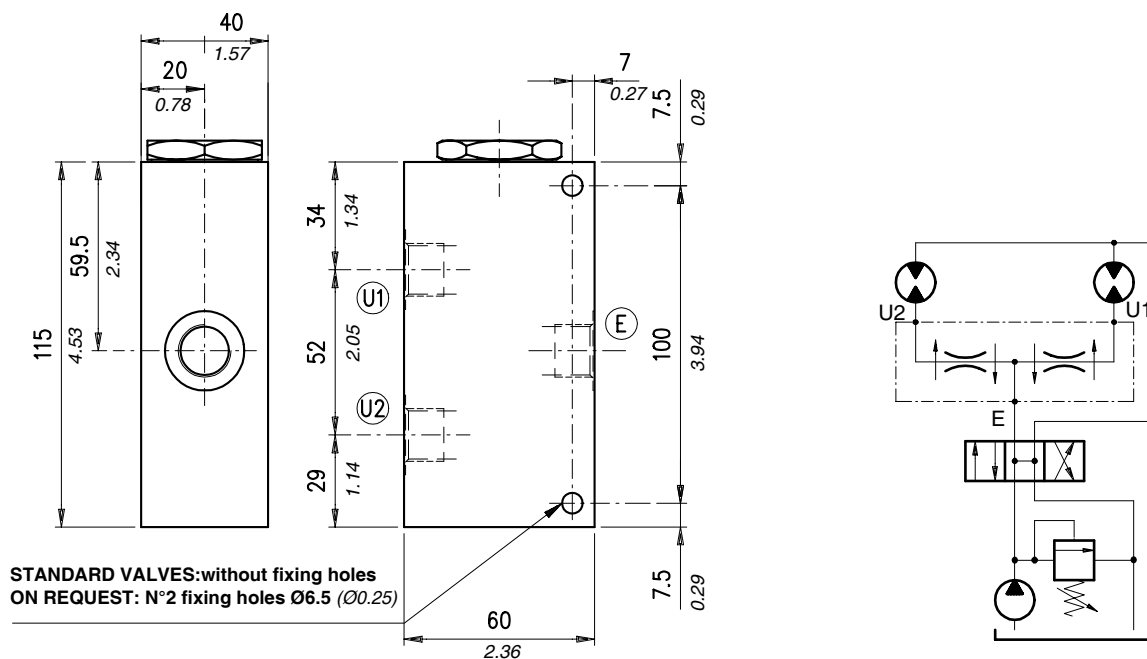


**Order code**

**VDFR 38-24 / □ / □**

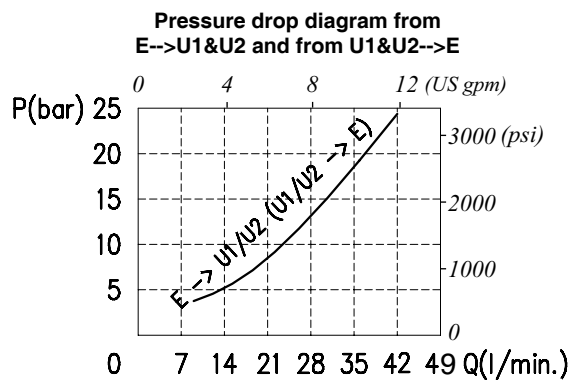


## Dimensions and hydraulic circuit



E	U1-U2
G 1/2	G 3/8

## Rating diagrams



## Order code

VDFR 12-40 / □ / □

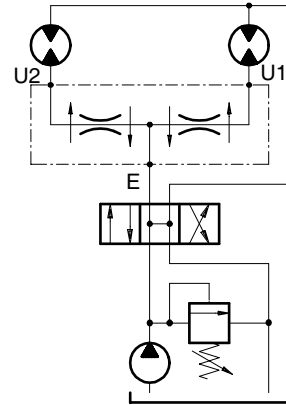
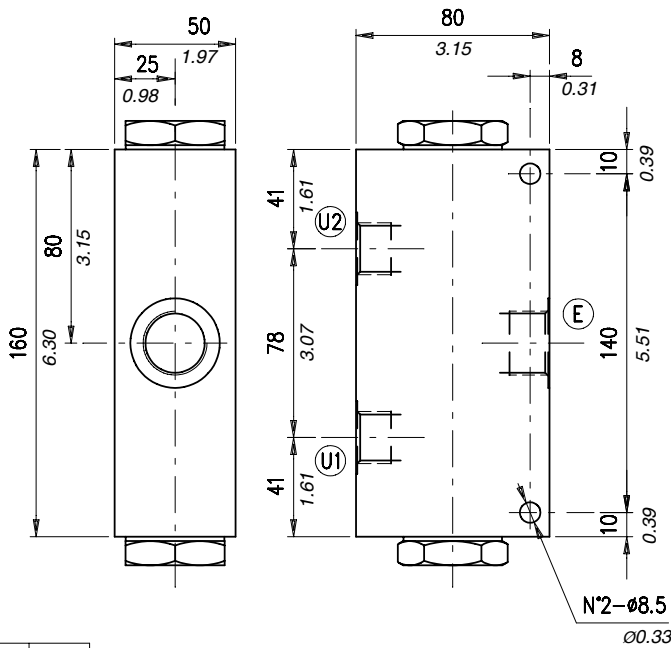
Flow Division Ratio between  
U1 and U2 (%)

- \_ standard division ratio 50 -50
- 33 - 66
- 30 - 70
- 20 - 80
- 25 - 75
- 40 - 60

Body material

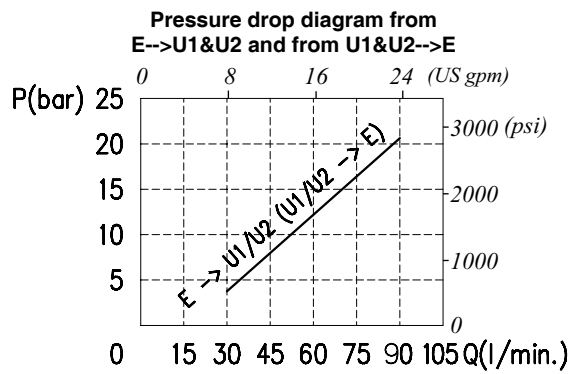
- \_ Aluminium
- ac Steel

**Dimensions and hydraulic circuit**



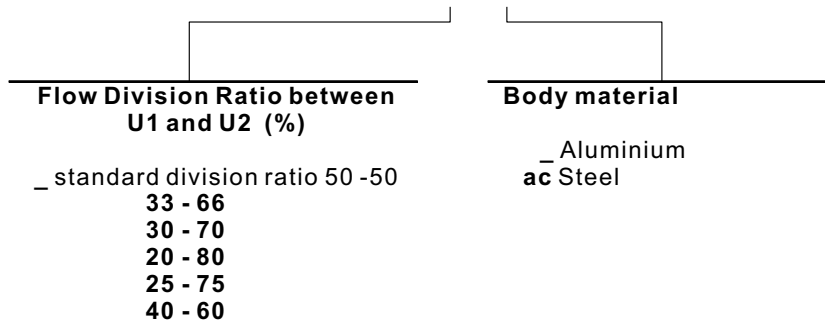
E	U1-U2
G 3/4	G 1/2

**Rating diagrams**

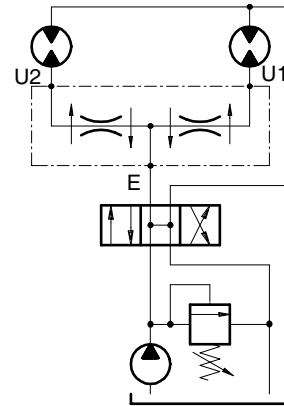
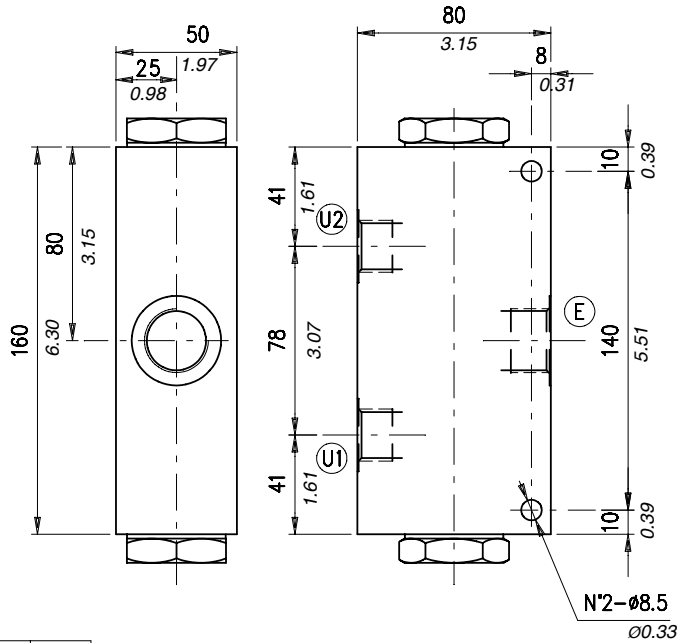


**Order code**

**VDFR 34-90 / □ / □**

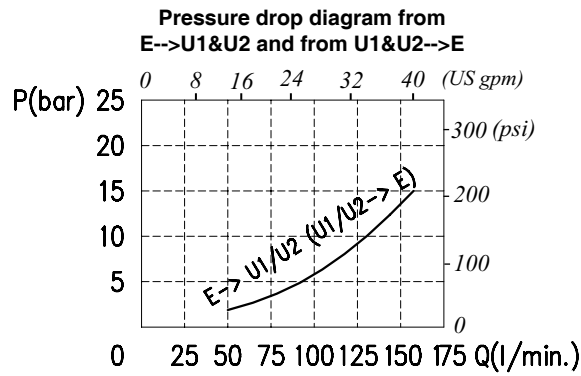


## Dimensions and hydraulic circuit



E	U1-U2
G 1	G 3/4

## Rating diagrams



## Order code

VDFR 100-150 / □ / □

Flow Division Ratio between  
U1 and U2 (%)

\_ standard division ratio 50 -50  
33 - 66  
40 - 60

Body material

\_ Aluminium  
ac Steel