

# Type VOSL/ML counterbalance valves

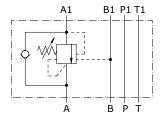
- Single acting
- Load sensitive
- Flange assembling according to ISO 4401:2005 (CETOP)

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at  $40^{\circ}$ C ( $104^{\circ}$ F) temperature.

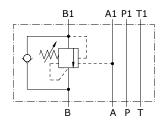
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		VOSL/ML 6-38	VOSL/ML 10-12	
Nominal flow		35 l/min (9.2 <i>US gpm</i> )	70 l/min (18.5 US gpm)	
Max. pressure			Aluminium body = 210 bar $(3050 psi)$ Steel body = 350 bar $(5100 psi)$	
Oil leakage		$0.25 \text{ cm}^3/\text{min} - 0.015 \text{ in}^3/\text{min}$ . (5 drops)	0.25 cm $^3$ /min - $0.015$ in $^3$ /min. (5 drops) at 210 bar - $3050$ psi at 80% of pressure setting	
Fluid		min	mineral based oil	
Viscosity		from	from 10 to 200 cSt	
Max. level of contamination		18/1	18/16/13 ISO4406	
Fluid temperature		with NBR seals from	with NBR seals from -20°C ( $-4$ °F) to 80°C ( $176$ °F)	
Environmental temp. for working conditions		from -40°C (-	from -40°C (-40°F) to 100°C (212°F)	
	luminium	1.27 kg (2.80 lb)	2.27 kg <i>(5.00 lb)</i>	
Weight	steel	2.68 kg <i>(5.91 lb)</i>	5.46 kg (12.04 lb)	

NOTE - For different conditions, please contact Walvoil Sales Dpt.

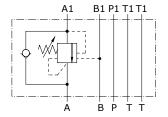
## VOSL/ML 6-38A



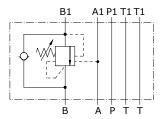
#### **VOSL/ML 6-38B**



#### **VOSL/ML 10-12A**

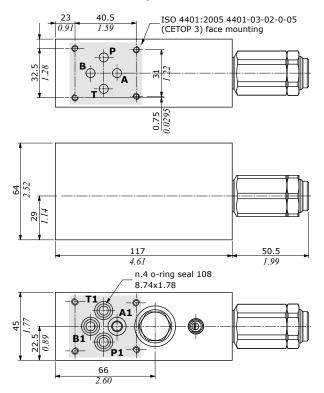


#### **VOSL/ML 10-12B**

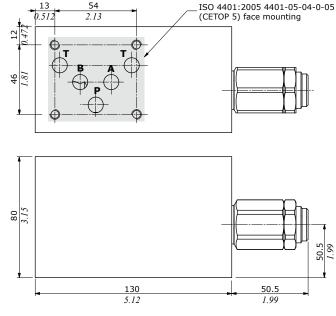


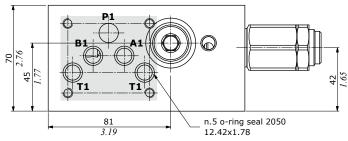
#### **Dimensions**

#### VOSL/ML 6-38A



#### **VOSL/ML 10-12A**

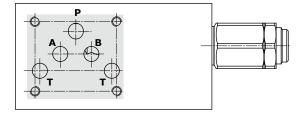




#### VOSL/ML 6-38B



**VOSL/ML 10-12B** 



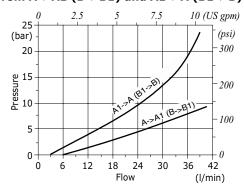
# **Ordering codes**

## **VOSL/ML** complete valves

TYPE: VOSL/ML 6-38A/TR.S.p4 CODE: 1518021802 DESCRIPTION: Aluminium body, CETOP 3 flange, pilot ratio 1:4, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm) TYPE: VOSL/ML 6-38B/TR.S.p4 CODE: 1518021808 DESCRIPTION: Aluminium body, CETOP 3 flange, pilot ratio 1:4, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm) TYPE: VOSL/ML 10-12A/TR.S.p7.PG CODE: 1518031802 DESCRIPTION: Aluminium body, CETOP 5 flange, pilot ratio 1:7, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm) TYPE: VOSL/ML 10-12B/TR.S.p7.PG CODE: 1518031808 DESCRIPTION: Aluminium body, CETOP 5 flange, pilot ratio 1:7, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm) For other configurations and steel body, please contact our Sales Dept.

# **Rating diagrams**

VOSL/ML 6-38 pressure drop vs. flow from A->A1 (B->B1) and A1->A (B1->B)



# VOSL/ML 10-12 pressure drop vs. flow from A->A1 (B->B1) and A1->A (B1->B)

