

Intermot Valves

TECHNICAL CATALOGUE

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General Information

Intermot can supply a wide range of flangeable valves, that can be easily mounted on Intermot hydraulic motors.

OVERCENTER VALVE

The overcenter valves are required when static and dynamic control is needed.

Single overcenter valve

The single overcenter valve (OVSA) is used for unidirectional loads. The single overcenter valve can be supplied with an integrated relief valve too (ORVSA Series).

Dual overcenter valve

The dual overcenter valve (OVDA) is used for bidirectional loads.

DUAL RELIEF VALVE

The dual cross over relief valve (RVDA) is used to avoid motor pressure peaks.

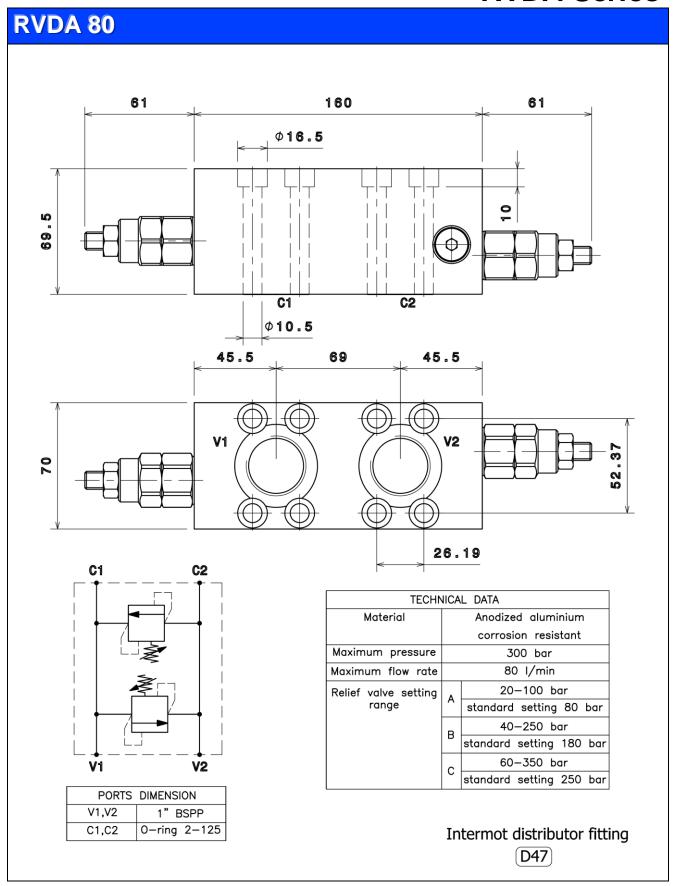
The maximum pressure can be set adjusting the relief valve screw. The dual cross relief valve can be supplied with an integrated flushing valve (RVDAP Series).

On request, the RVDA valves can be mounted together with OVSA or OVDA valves. For further details please contact Intermot S.r.l. technical department.



RVDA Series

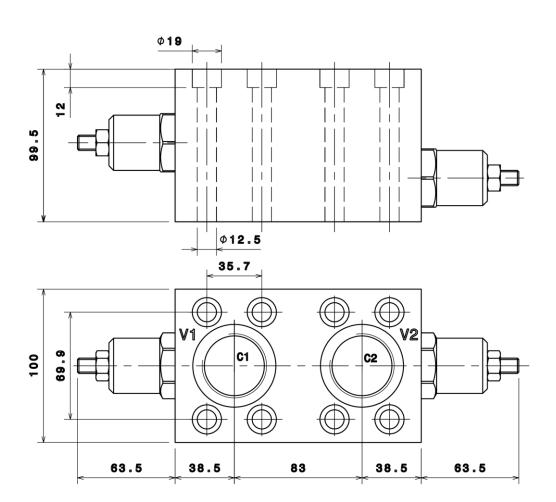
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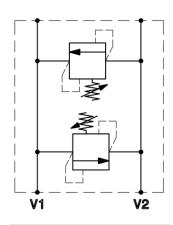




RVDA Series

RVDA 200





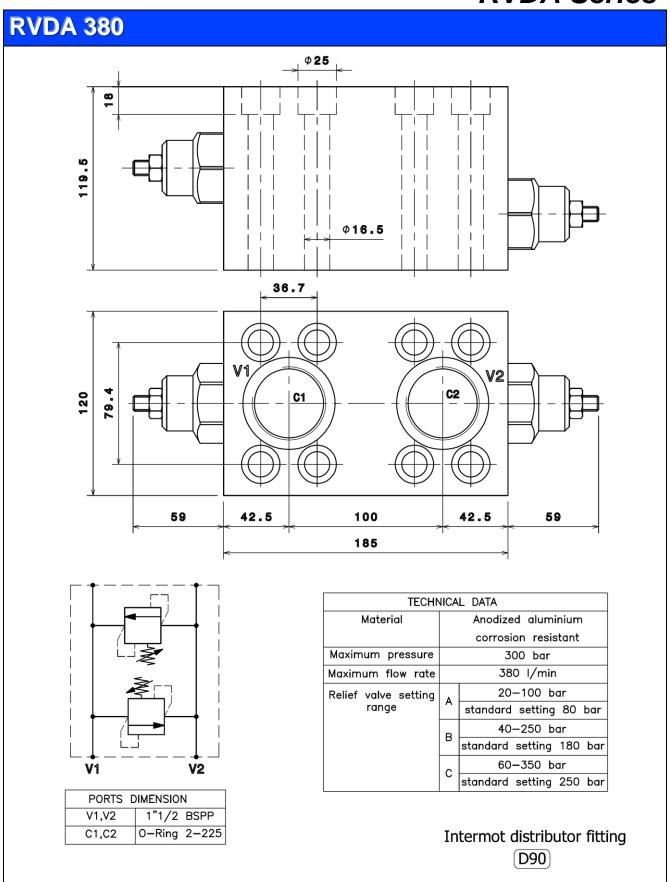
PORTS D	DIMENSION	
V1,V2	1"1/4 BSPP	
C1,C2	0-Ring 2-224	

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Maximum pressure	300 bar	
Maximum flow rate	200 I/min	
Relief valve setting	_	20-100 bar
range	Α	standard setting 80 bar
	В	40-250 bar
		standard setting 180 bar
	C	60-350 bar
		standard setting 250 bar

Intermot distributor fitting (D75)



RVDA Series

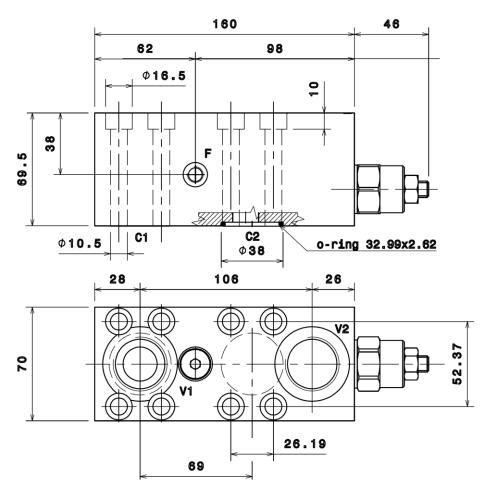


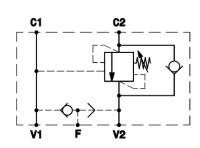
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OVSA Series

OVSA 160





PORTS	DIMENSION
V1,V2	1" BSPP
C1,C2	0-ring 2-125
F	1/4" BSPP

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Peak pressure	350 bar	
Maximum pressure	270 bar	
Maximum flow rate	150 I/min	
Pilot ratio	1 3:1	
	2	4.25:1
	3	8:1
	4	10:1
Relief valve setting	_	20-200 bar
range	A	standard setting 100 bar
	Б	50-350 bar
	В	standard setting 280 bar

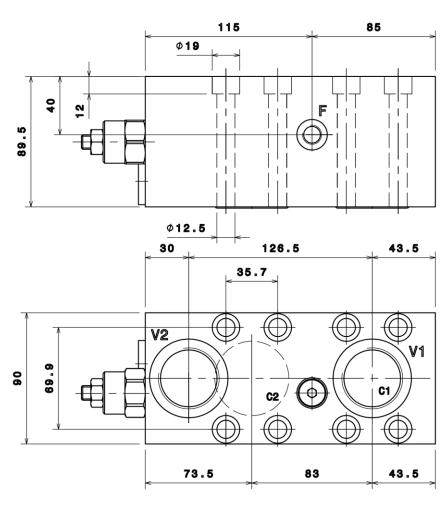
Intermot distributor fitting (D47)

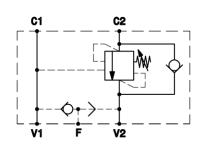
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OVSA Series

OVSA 300





PORTS D	DIMENSION
V1,V2	1"1/4 BSPP
C1,C2	O-Ring 2-224
F	1/4" BSPP

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Peak pressure	350 bar	
Maximum pressure	300 bar	
Maximum flow rate	300 I/min	
Pilot ratio	1	3:1
	2	4.25:1
	3	8:1
	4	10:1
Relief valve setting	Α	20-200 bar
range		standard setting 100 bar
	В	50-350 bar
		standard setting 280 bar

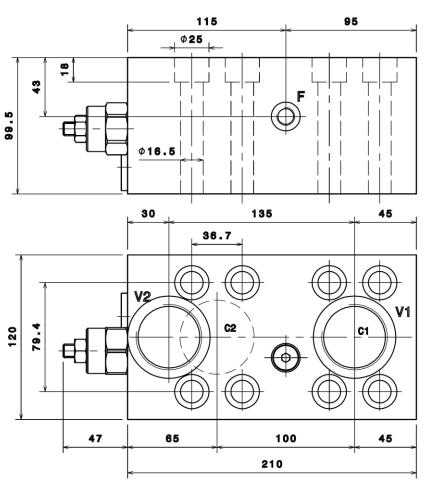
Intermot distributor fitting

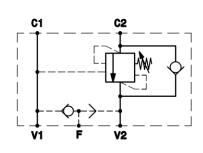
D75



OVSA Series

OVSA 480





PORTS D	PORTS DIMENSION		
V1,V2	1"1/2 BSPP		
C1,C2	0-Ring 2-225		
F	1/4" BSPP		

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Peak pressure		350 bar
Maximum pressure	300 bar	
Maximum flow rate	480 I/min	
Pilot ratio	1	3:1
	2	4.25:1
	3	8:1
	4	10:1
Relief valve setting	А	20-200 bar
range		standard setting 100 bar
	В	50-350 bar
		standard setting 280 bar

Intermot distributor fitting D90

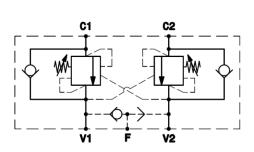
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OVDA 160

OVDA Series

69



PORTS	DIMENSION
V1,V2	1" BSPP
C1,C2	0-ring 2-125
F	1/4" BSPP

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Peak pressure	350 bar	
Maximum pressure	270 bar	
Maximum flow rate	150 I/min	
Pilot ratio	1	3:1
	2	4.25:1
	3	8:1
	4	10:1
Relief valve setting	Α	20-200 bar
range		standard setting 100 bar
	В	50-350 bar
	0	standard setting 280 bar

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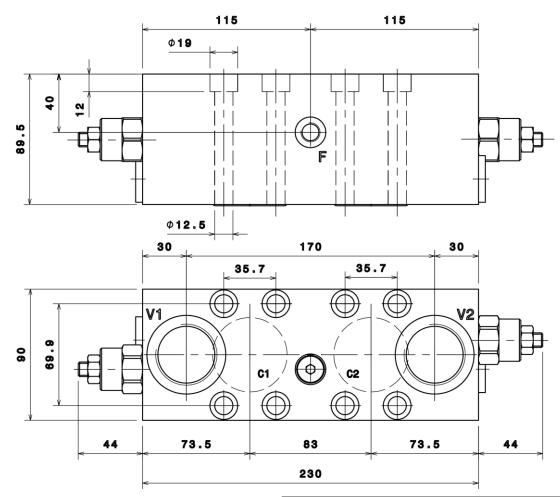
Intermot distributor fitting D47

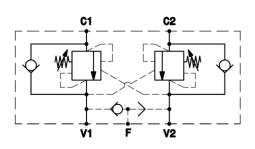
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OVDA Series

OVDA 300





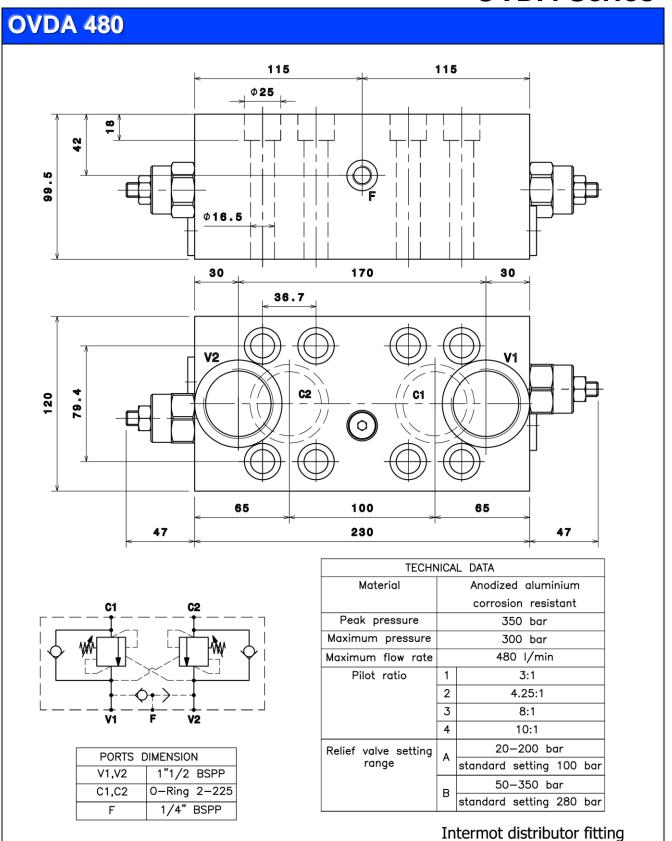
PORTS DIMENSION		
V1,V2 1"1/4 BSPP		
C1,C2	0-Ring 2-224	
F	1/4" BSPP	

TECHNICAL DATA		
Material		Anodized aluminium
		corrosion resistant
Peak pressure		350 bar
Maximum pressure		300 bar
Maximum flow rate		300 I/min
Pilot ratio	1	3:1
	2	4.25:1
	3	8:1
	4	10:1
Relief valve setting range	_	20-200 bar
	^	standard setting 100 bar
	_	50-350 bar
	٥	standard setting 280 bar

Intermot distributor fitting (D75)



OVDA Series



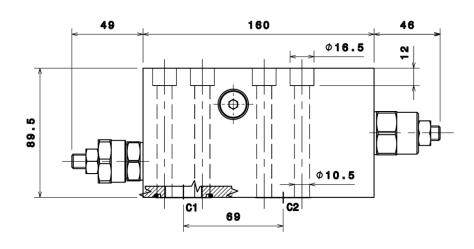
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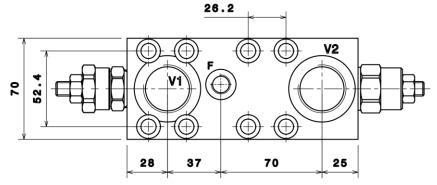
D90

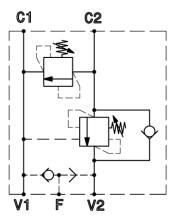


ORVSA Series

ORVSA 160







PORTS DIMENSION		
V1,V2	1" BSPP	
C1,C2	O-Ring 2-126	
F	1/4" BSPP	

TECHNICAL DATA		
Material	Anodized aluminium	
	corrosion resistant	
Peak pressure	350 bar	
Maximum pressure	300 bar	
Maximum flow rate	150 I/min	
Pilot ratio	1	3:1
	2	4.25:1
	3	8:1
	4	10:1
OVC relief valve	В	20-200 bar
setting range		standard setting 100 bar
		50-350 bar
		standard setting 280 bar
VLP relief valve	A B	20-100 bar
setting range		standard setting 80 bar
		40-250 bar
	ت	standard setting 180 bar
	С	60-350 bar
	<u> </u>	standard setting 250 bar

Intermot distributor fitting

D47



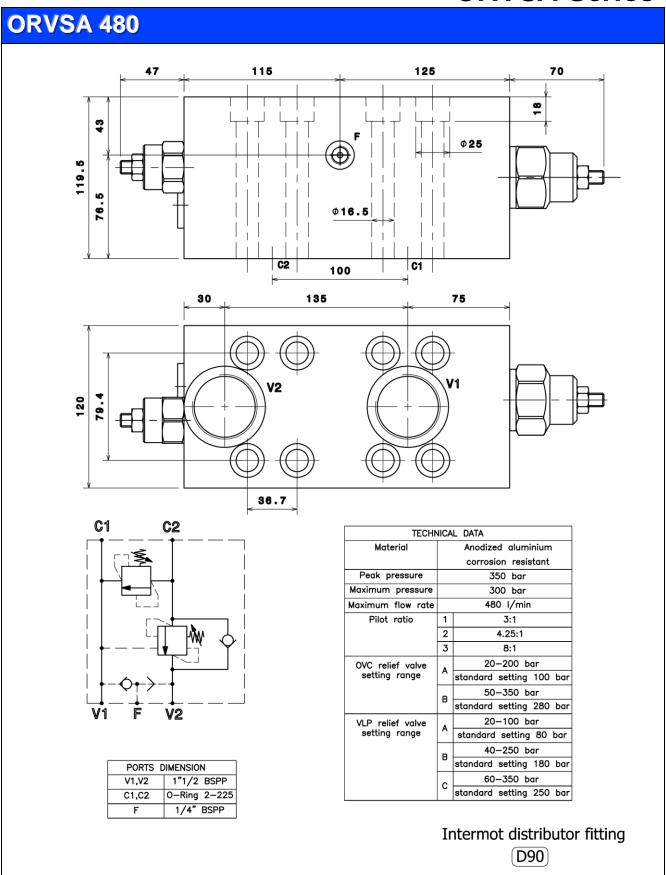
ORVSA Series

ORVSA 300 115 105 73 φ**19 \$** 59 C2 83 126.5 30 63.5 100 35.7 C1 $\mathbb{C}2$ TECHNICAL DATA Material Anodized aluminium corrosion resistant Peak pressure 350 bar Maximum pressure 300 bar Maximum flow rate 300 I/min Pilot ratio 3:1 2 4.25:1 3 8:1 4 10:1 20-200 bar OVC relief valve setting range standard setting 100 bar 50-350 bar **V2** standard setting 280 bar VLP relief valve setting range 20-100 bar standard setting 80 bar 40-250 bar PORTS DIMENSION В standard setting 180 bar V1,V2 1"1/4 BSPP 60-350 bar C1,C2 0-Ring 2-224 standard setting 250 bar 1/4" BSPP Intermot distributor fitting D75

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ORVSA Series

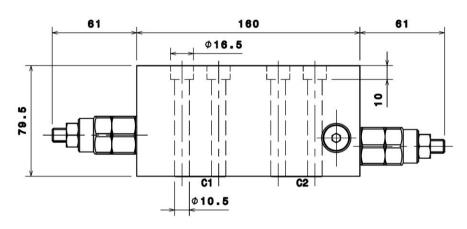


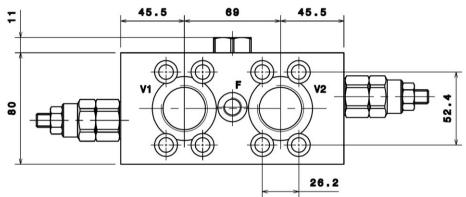
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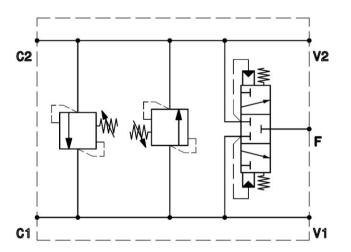


RVDAP Series

RVDAP 80







TECHN	NICA	L DATA
Material	Anodized aluminium corrosion resistant	
Maximum pressure	300 bar	
Maximum flow rate	80 I/min	
Relief valve setting range	Α	20-100 bar
		standard setting 80 bar
	В	40-250 bar
		standard setting 180 bar
	С	60-350 bar
		standard setting 250 bar

PORTS D	IMENSION
V1,V2	1" BSPP
C1,C2	O-Ring 2-125
F	1/4" BSPP

Intermot distributor fitting

D47

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Ordering Instructions

