

Intermot Hydraulic Motors

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.

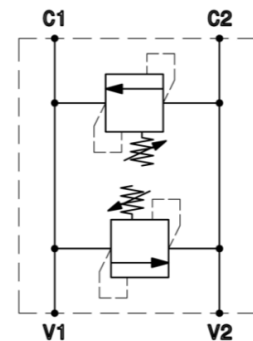
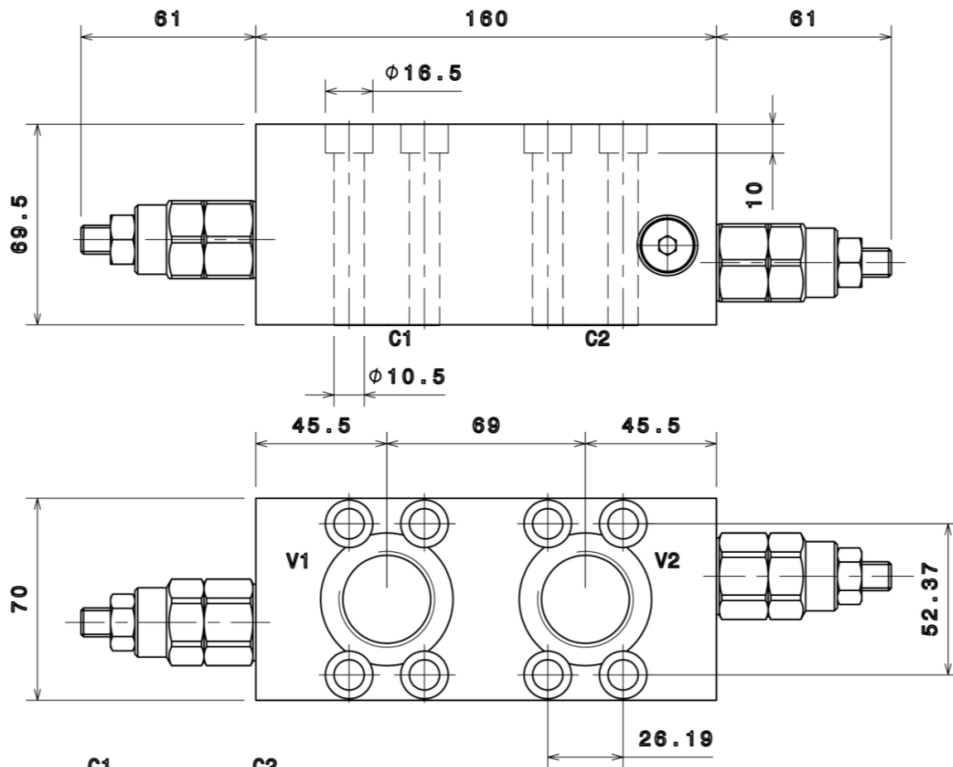
DUAL RELIEF VALVE

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 80

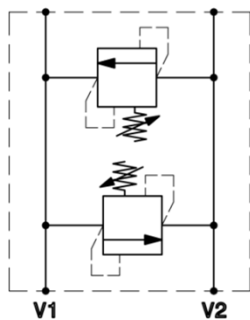
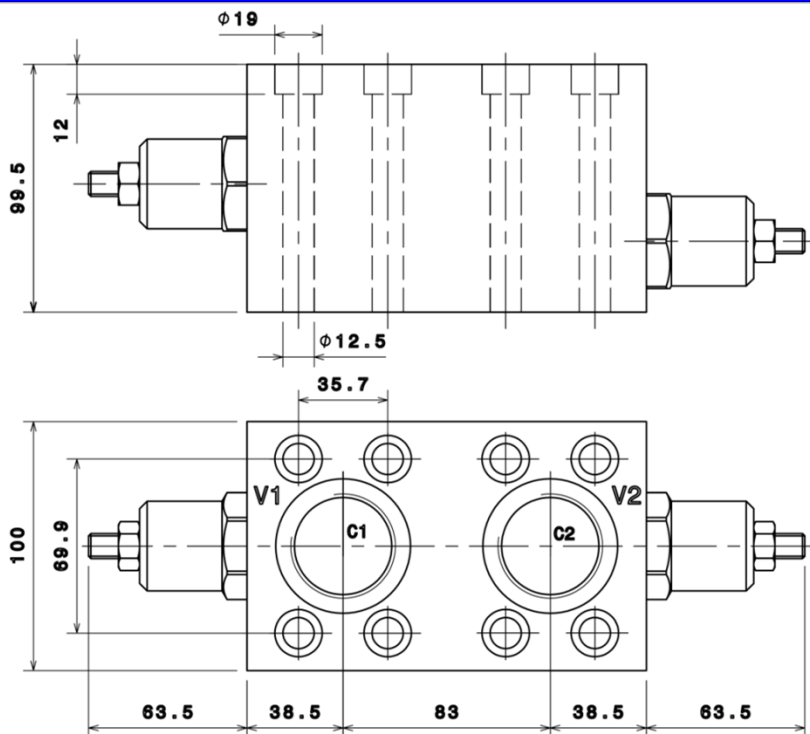


PORTS DIMENSION	
V1,V2	1" BSPP
C1,C2	O-ring 2-125

TECHNICAL DATA	
Material	Anodized aluminium corrosion resistant
Maximum pressure	300 bar
Maximum flow rate	80 l/min
Relief valve setting range	A 20-100 bar standard setting 80 bar
	B 40-250 bar standard setting 180 bar
	C 60-350 bar standard setting 250 bar

Intermot distributor fitting
(D47)

RVDA 200



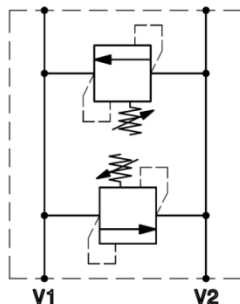
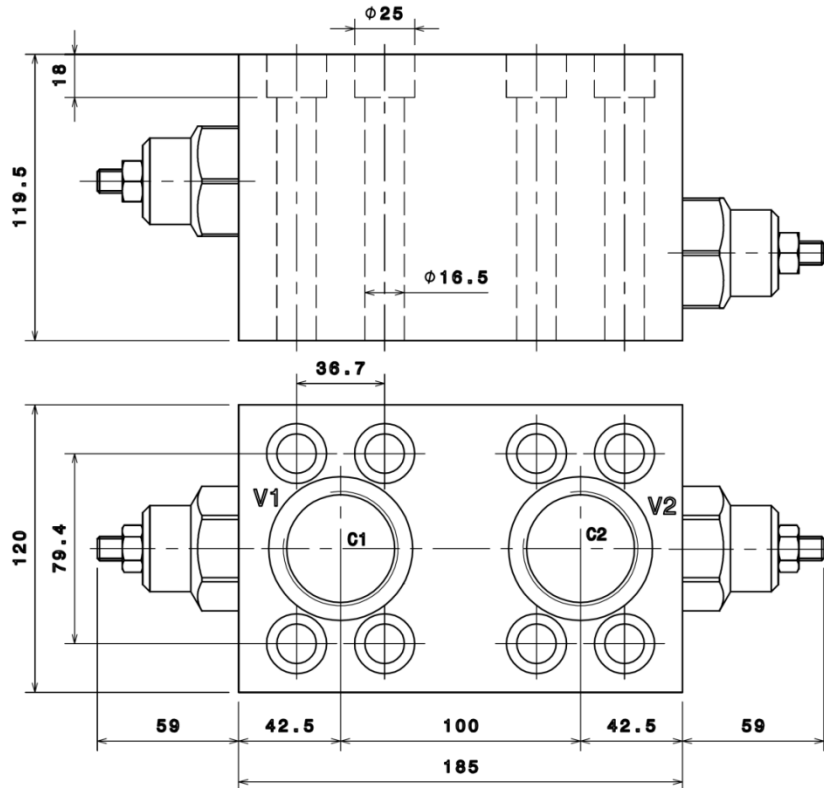
PORTS DIMENSION	
V1,V2	1"1/4 BSPP
C1,C2	O-Ring 2-224

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

Intermot distributor fitting

D75

RVDA 380



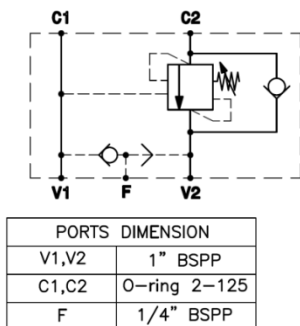
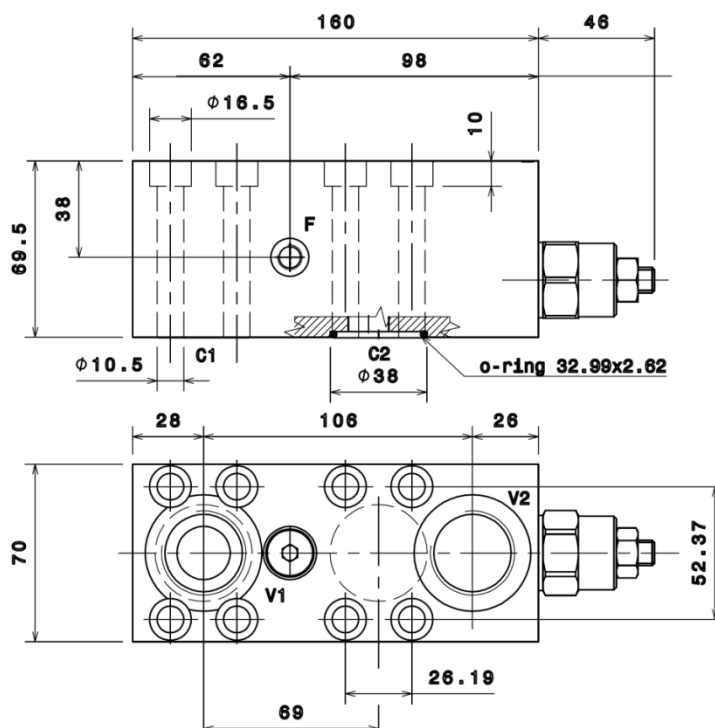
PORTS DIMENSION	
V1,V2	1"1/2 BSPP
C1,C2	O-Ring 2-225

TECHNICAL DATA	
Material	Anodized aluminium corrosion resistant
Maximum pressure	300 bar
Maximum flow rate	380 l/min
Relief valve setting range	A 20-100 bar standard setting 80 bar
	B 40-250 bar standard setting 180 bar
	C 60-350 bar standard setting 250 bar

Intermot distributor fitting

D90

OVSA 160

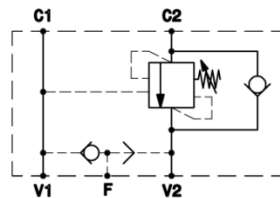
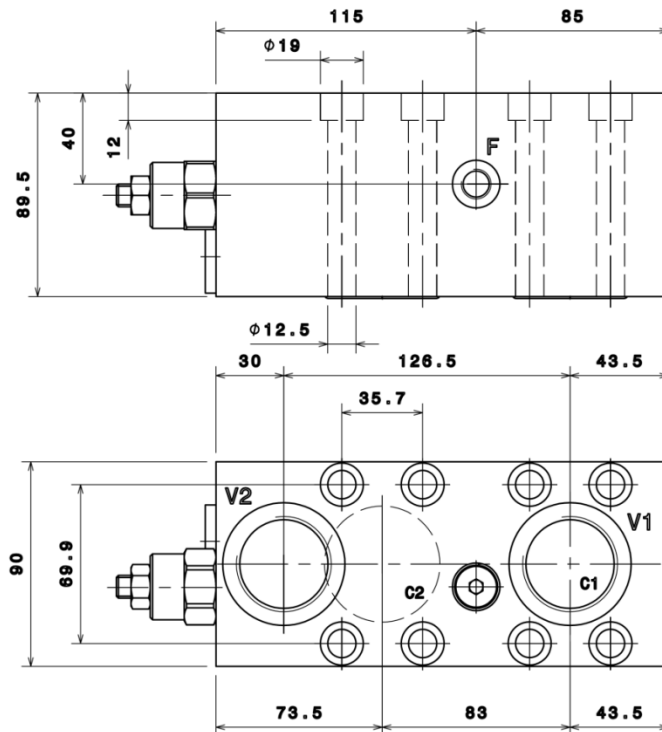


TECHNICAL DATA	
Material	Anodized aluminium corrosion resistant
Peak pressure	350 bar
Maximum pressure	270 bar
Maximum flow rate	150 l/min
Pilot ratio	1 3:1
	2 4.25:1
	3 8:1
	4 10:1
Relief valve setting range	A 20-200 bar standard setting 100 bar
	B 50-350 bar standard setting 280 bar

Intermot distributor fitting

D47

OVSA 300



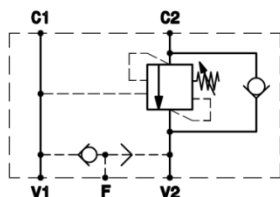
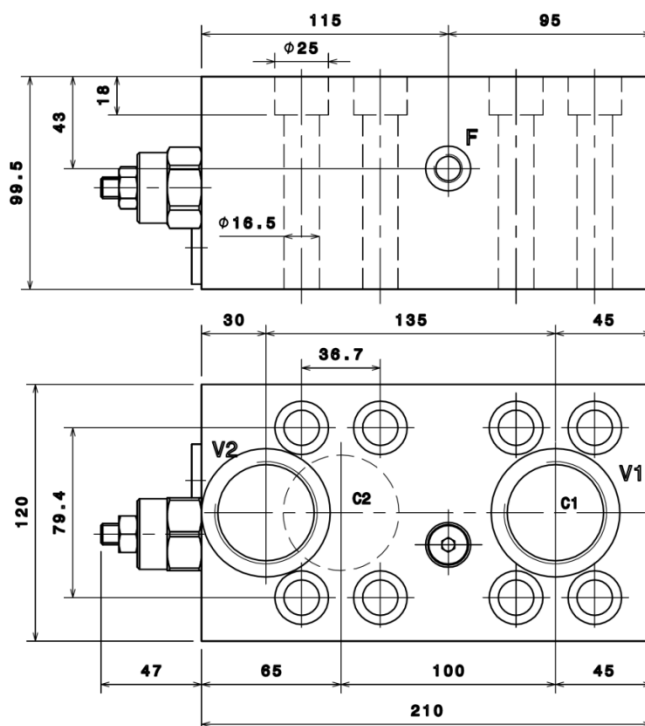
PORTS DIMENSION	
V1,V2	1"1/4 BSPP
C1,C2	O-Ring 2-224
F	1/4" BSPP

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

Intermot distributor fitting

(D75)

OVSA 480



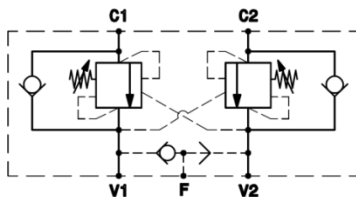
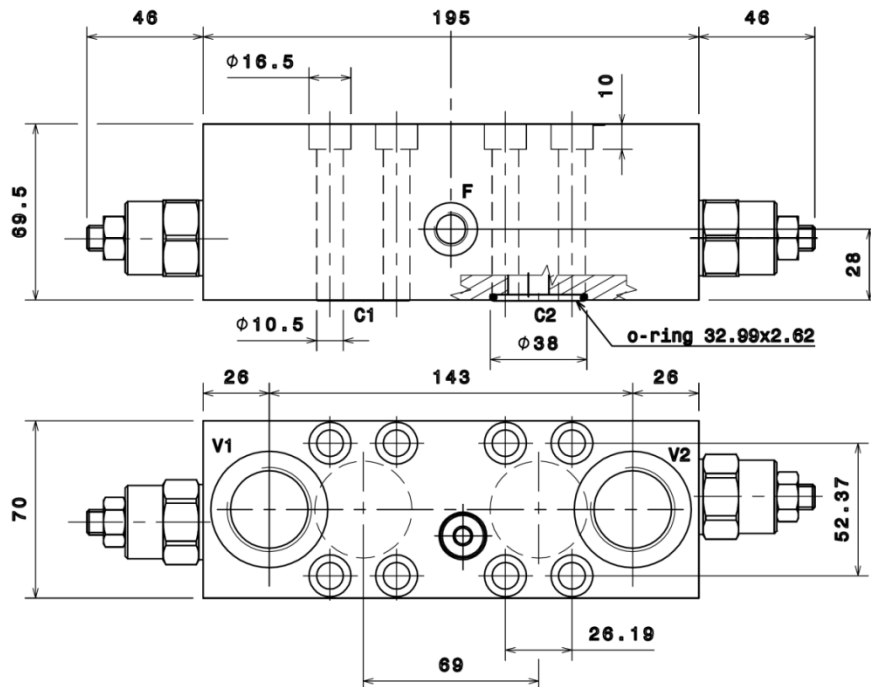
PORTS DIMENSION	
V1,V2	1"1/2 BSPP
C1,C2	O-Ring 2-225
F	1/4" BSPP

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

Intermot distributor fitting

D90

OVDA 160



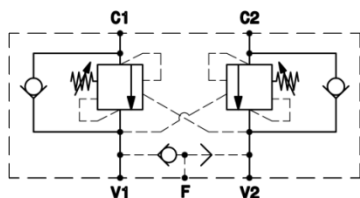
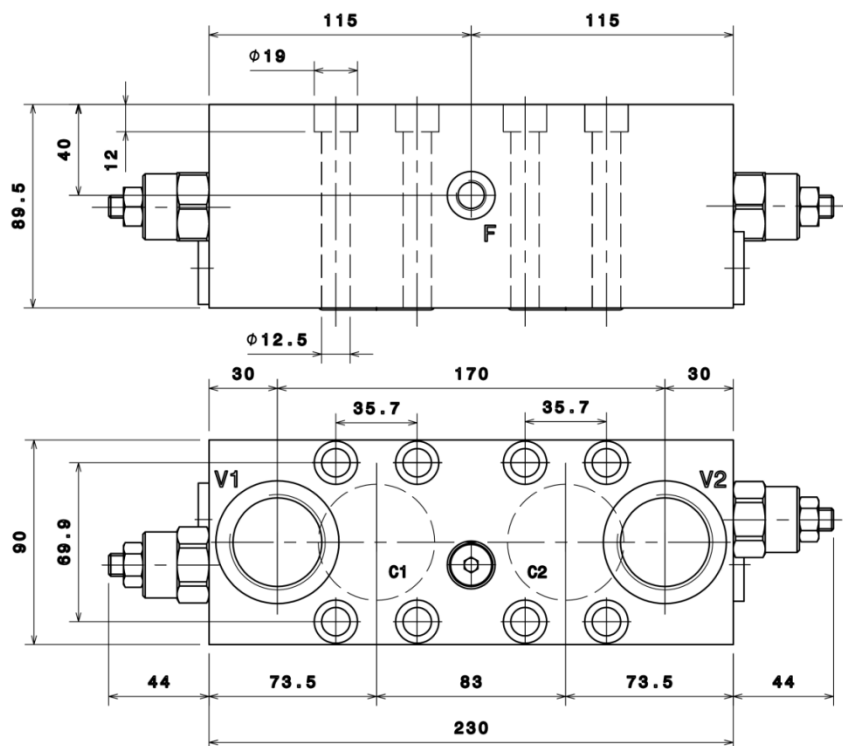
PORTS DIMENSION	
V1,V2	1" BSPP
C1,C2	O-ring 2-125
F	1/4" BSPP

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

Intermot distributor fitting

D47

OVDA 300



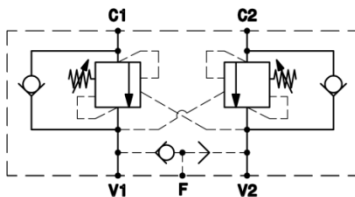
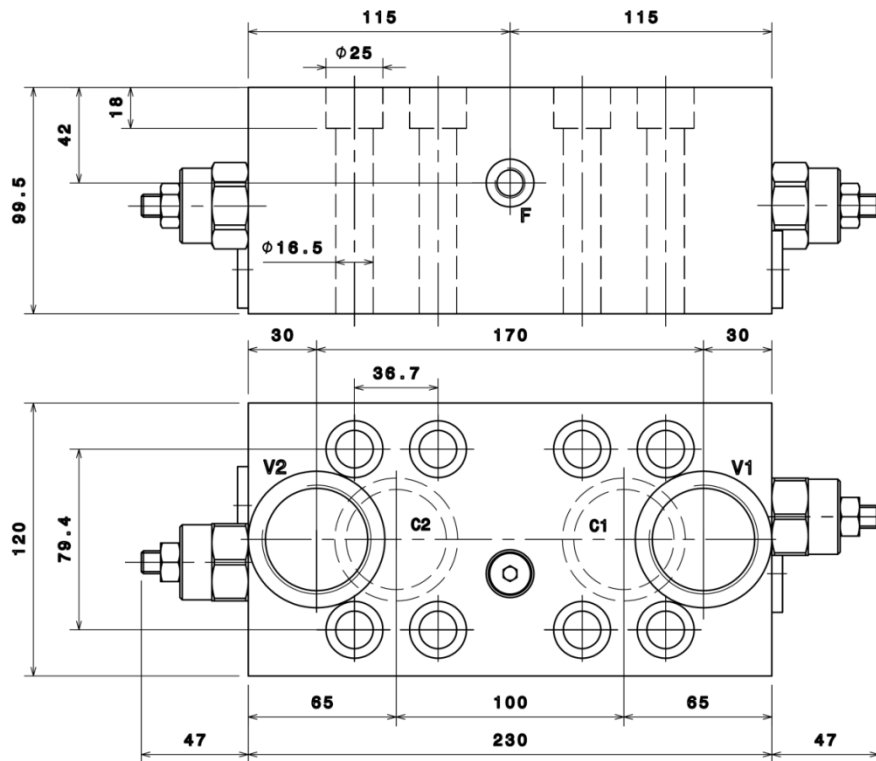
PORTS DIMENSION	
V1,V2	1"1/4 BSPP
C1,C2	O-Ring 2-224
F	1/4" BSPP

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

Intermot distributor fitting

D75

OVDA 480



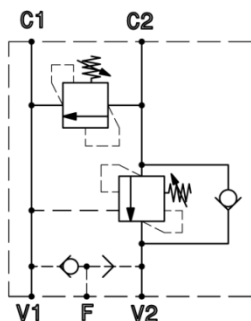
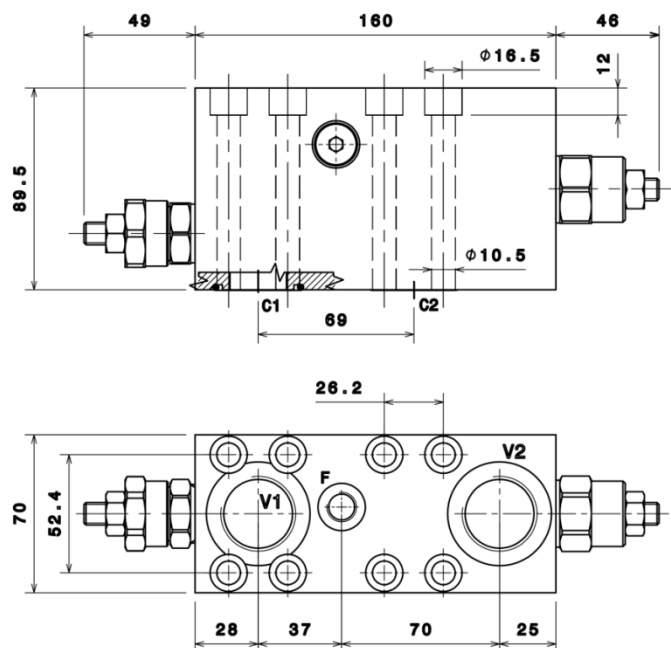
PORTS DIMENSION	
V1,V2	1"1/2 BSPP
C1,C2	O-Ring 2-225
F	1/4" BSPP

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

Intermot distributor fitting

D90

ORVSA 160



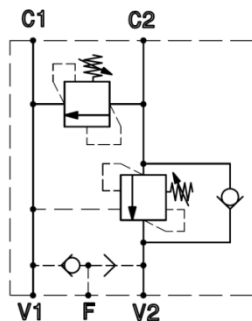
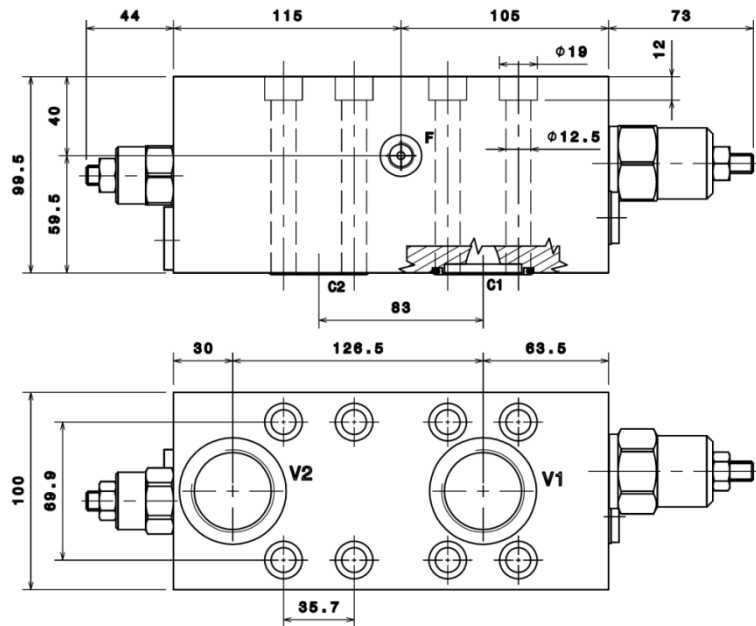
PORTS DIMENSION	
V1,V2	1" BSPP
C1,C2	O-Ring 2-126
F	1/4" BSPP

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

Intermot distributor fitting

D47

ORVSA 300



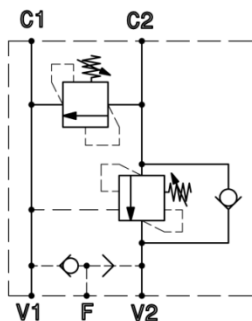
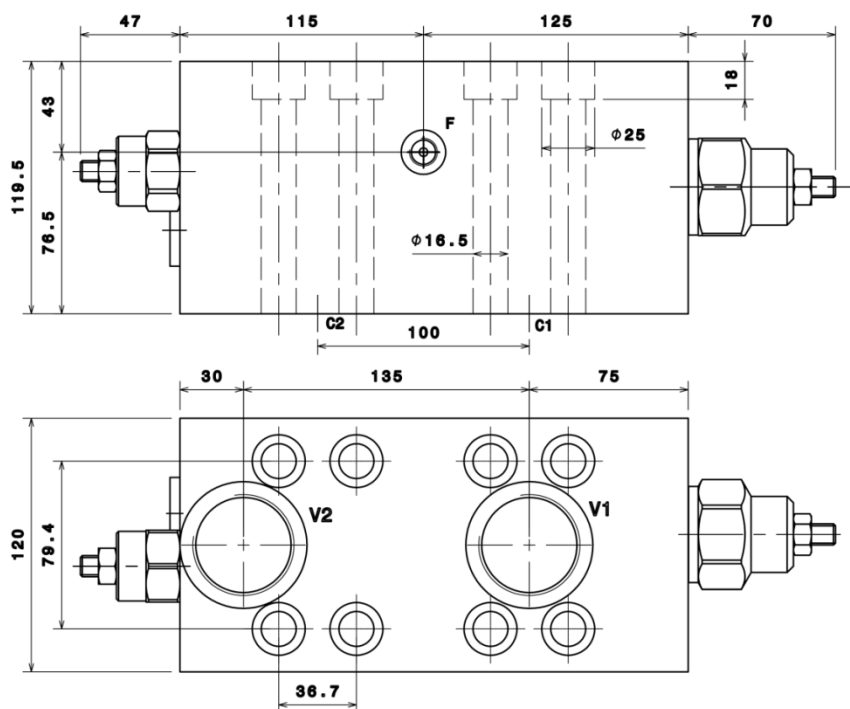
PORTS DIMENSION	
V1,V2	1"1/4 BSPP
C1,C2	O-Ring 2-224
F	1/4" BSPP

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

Intermot distributor fitting

D75

ORVSA 480



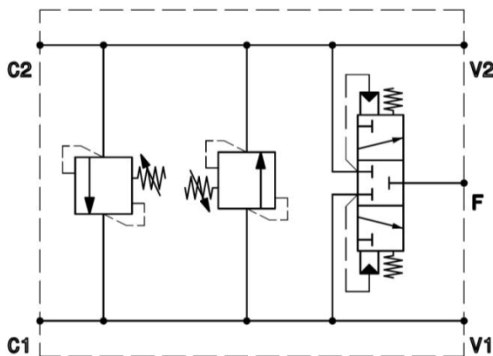
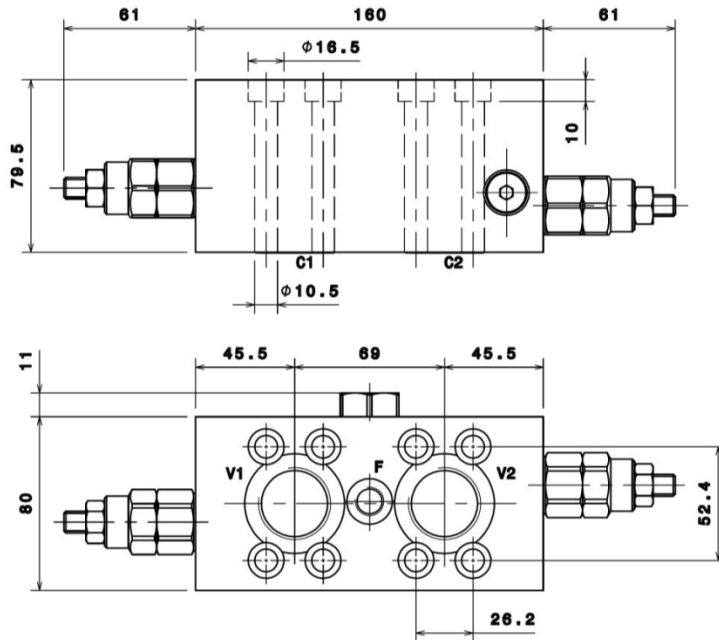
PORTS DIMENSION	
V1,V2	1"1/2 BSPP
C1,C2	O-Ring 2-225
F	1/4" BSPP

TECHNICAL DATA	
Material	Anodized aluminium corrosion resistant
Peak pressure	350 bar
Maximum pressure	300 bar
Maximum flow rate	480 l/min
Pilot ratio	1 3:1
	2 4.25:1
	3 8:1
OVC relief valve setting range	A 20-200 bar standard setting 100 bar
	B 50-350 bar standard setting 280 bar
	C 60-350 bar standard setting 250 bar
VLP relief valve setting range	A 20-100 bar standard setting 80 bar
	B 40-250 bar standard setting 180 bar
	C 60-350 bar standard setting 250 bar

Intermot distributor fitting

D90

RVDAP 800



TECHNICAL DATA	
Material	Anodized aluminium corrosion resistant
Maximum pressure	300 bar
Maximum flow rate	80 l/min
Relief valve setting range	20–100 bar
	A standard setting 80 bar
	B 40–250 bar
	standard setting 180 bar
C	60–350 bar
	standard setting 250 bar

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

Intermot distributor fitting

D47

Ordering Instructions

Valve type OVDA OVSA RVDA ORVSA RVDAP							
Size 80 (RVDAP) 160, 300, 480 (OVDA, OVSA, ORVSA) 80, 200, 380 (RVDA)							
Pilot ratio 1 2 3 4 Only for OVDA, OVSA, ORVSA							
Relief valve setting range A B C OVC (only for ORVSA)							
Optional A B C VLP (only for ORVSA)							
						Intermot distributor fitting D47 D75 D90	