

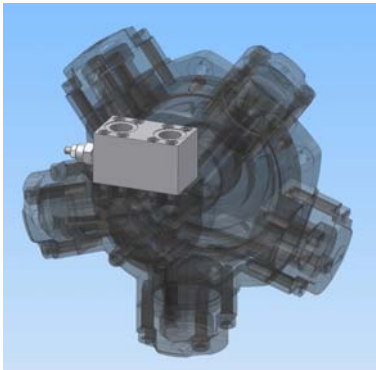
INTERMOT VALVES GENERAL INFORMATION

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

OVERCENTER VALVE

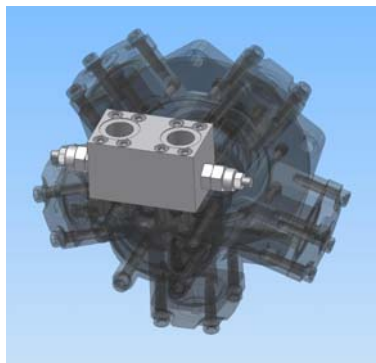
The overcenter valves are required when static and dynamic control is needed.

Single overcenter valve



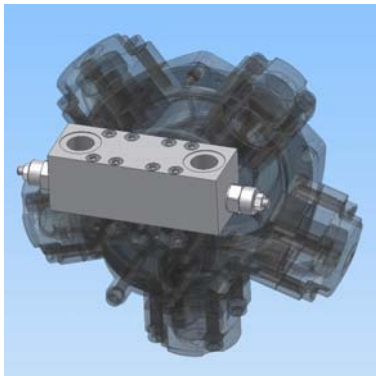
The single overcenter valve (OVSA) is used for unidirectional loads. The single overcenter valve can be supplied with an integrated relief valve too (ORVSA serie).

Dual overcenter valve



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

DUAL RELIEF VALVE



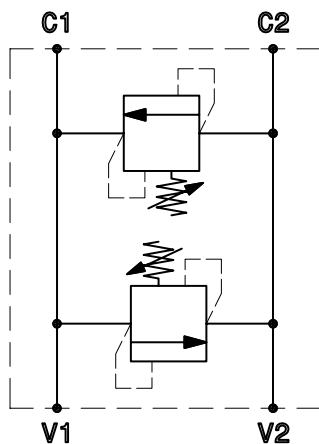
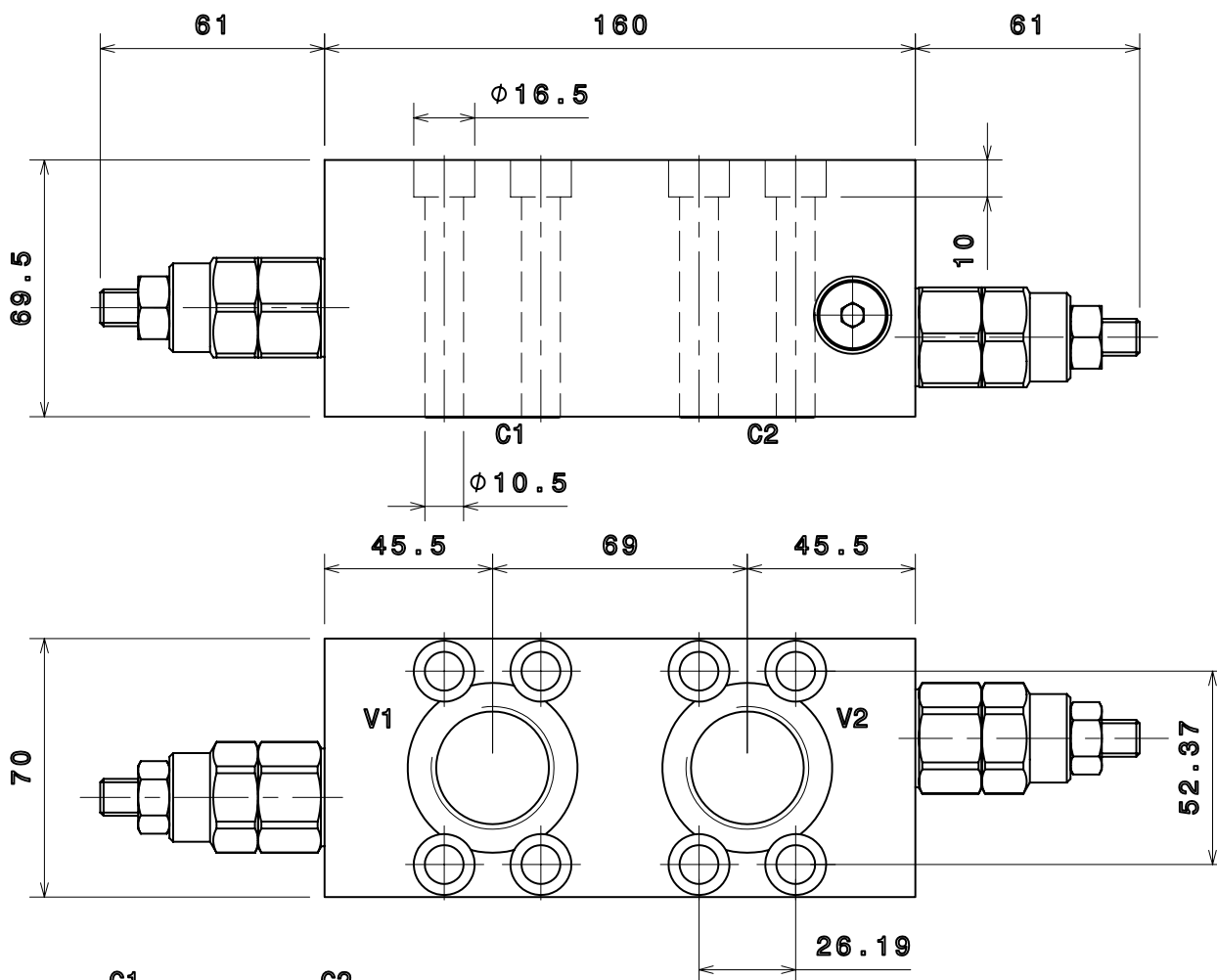
The dual cross over relief valve (RVDA) is used to avoid motor pressure peaks. The maximum pressure can be set adjusting the relief valve screw. The dual cross relief valve can be supplied with an integrated flushing valve (RVDAP serie).

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.

SIZE AND TECHNICAL DATA

RVDA 80

RVDA SERIES



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

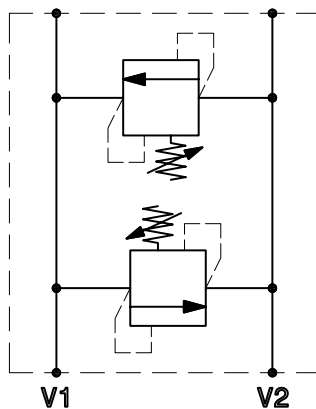
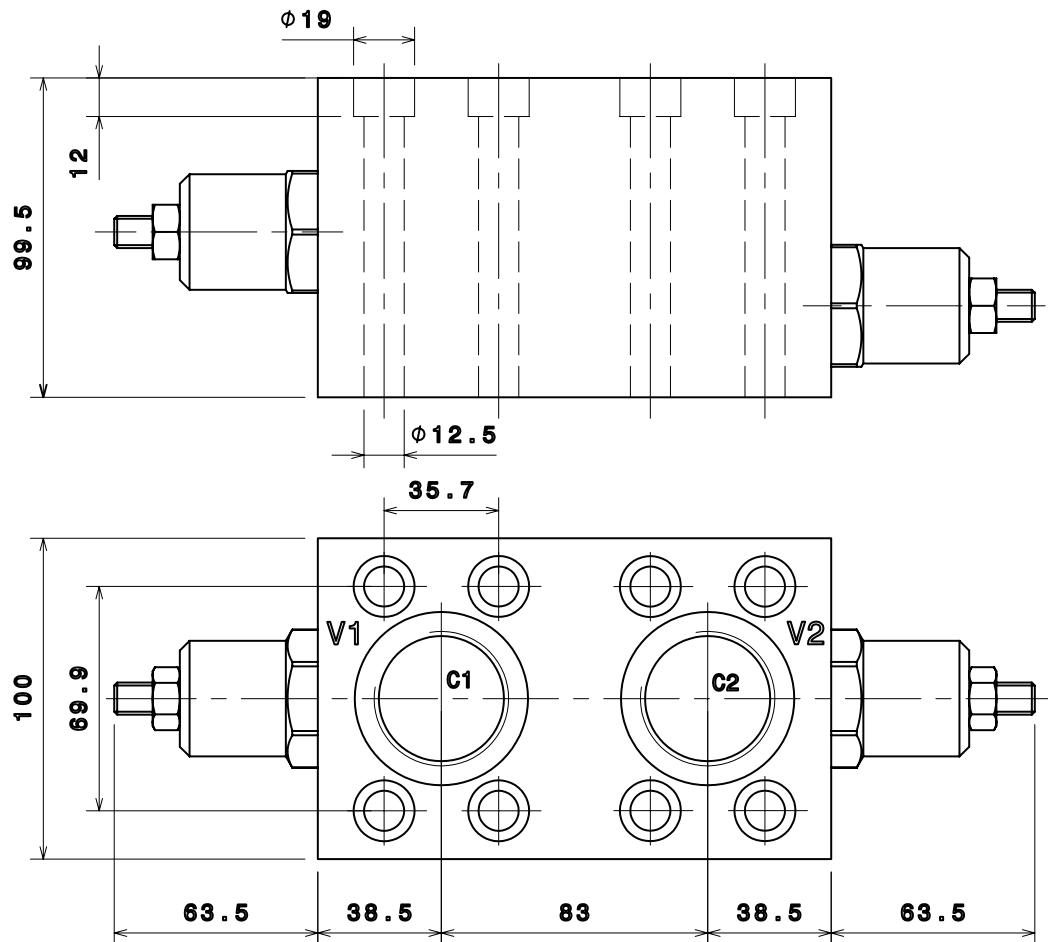
Intermot distributor fitting

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SIZE AND TECHNICAL DATA

RVDA 200

RVDA SERIES



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

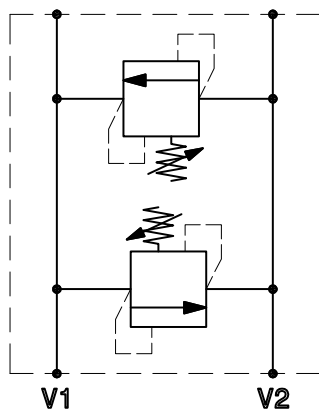
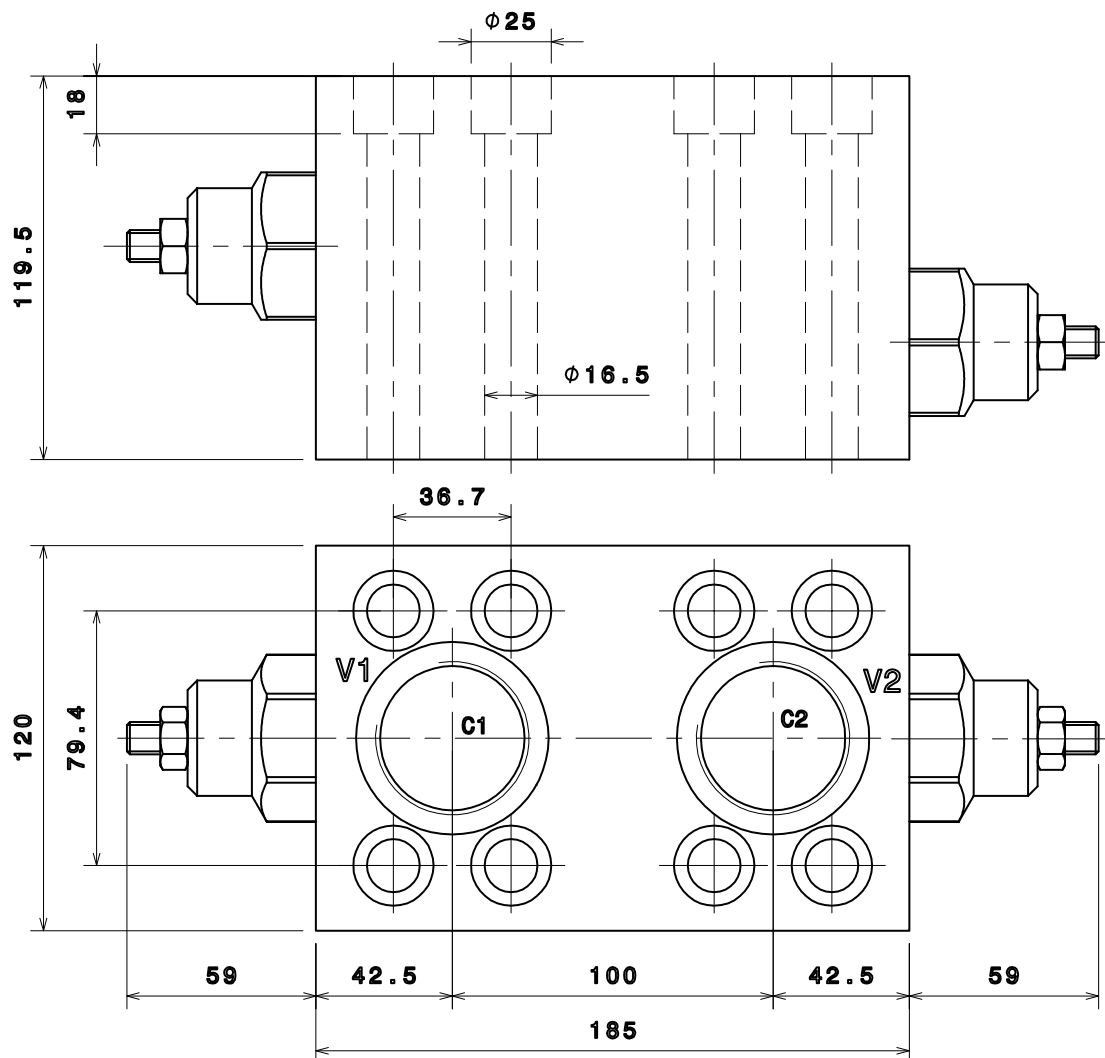
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SIZE AND TECHNICAL DATA

RVDA 380

RVDA SERIES



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

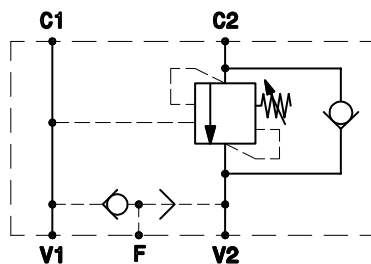
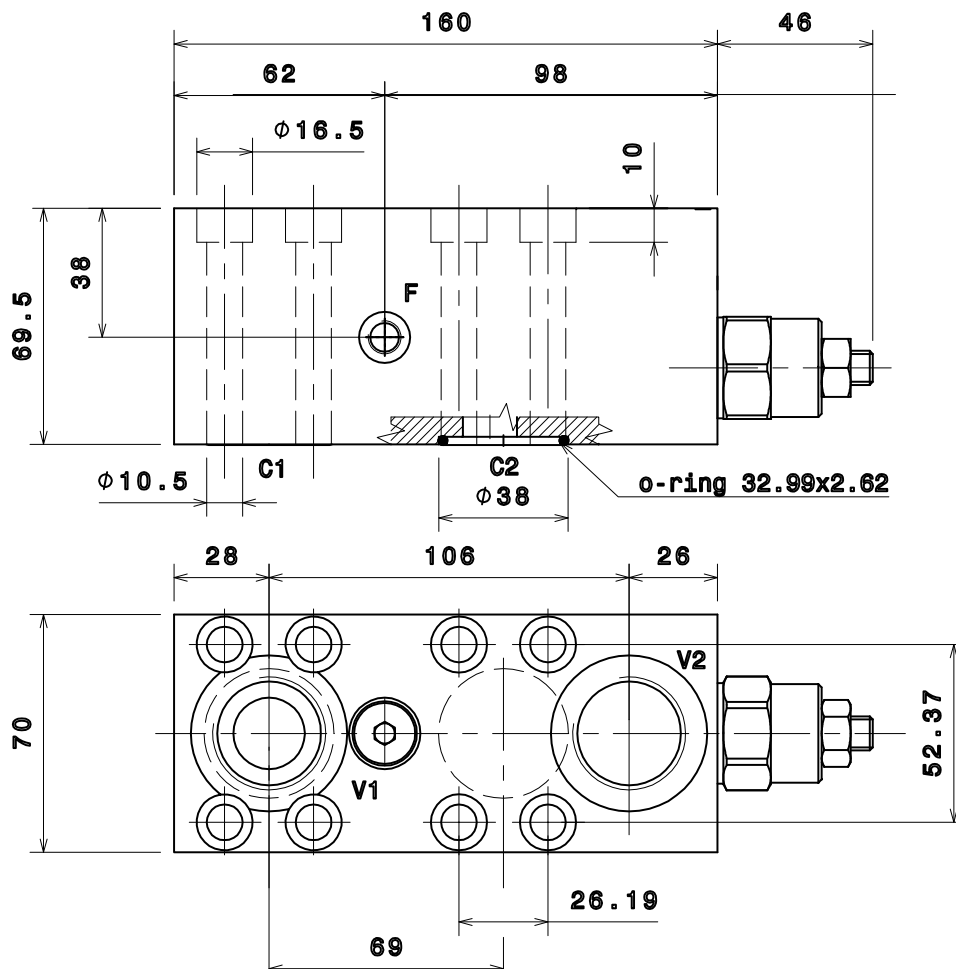
Intermot distributor fitting

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SIZE AND TECHNICAL DATA

OVSA 160

OVSA SERIES



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

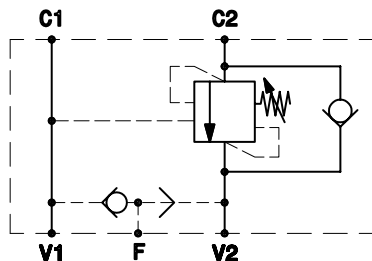
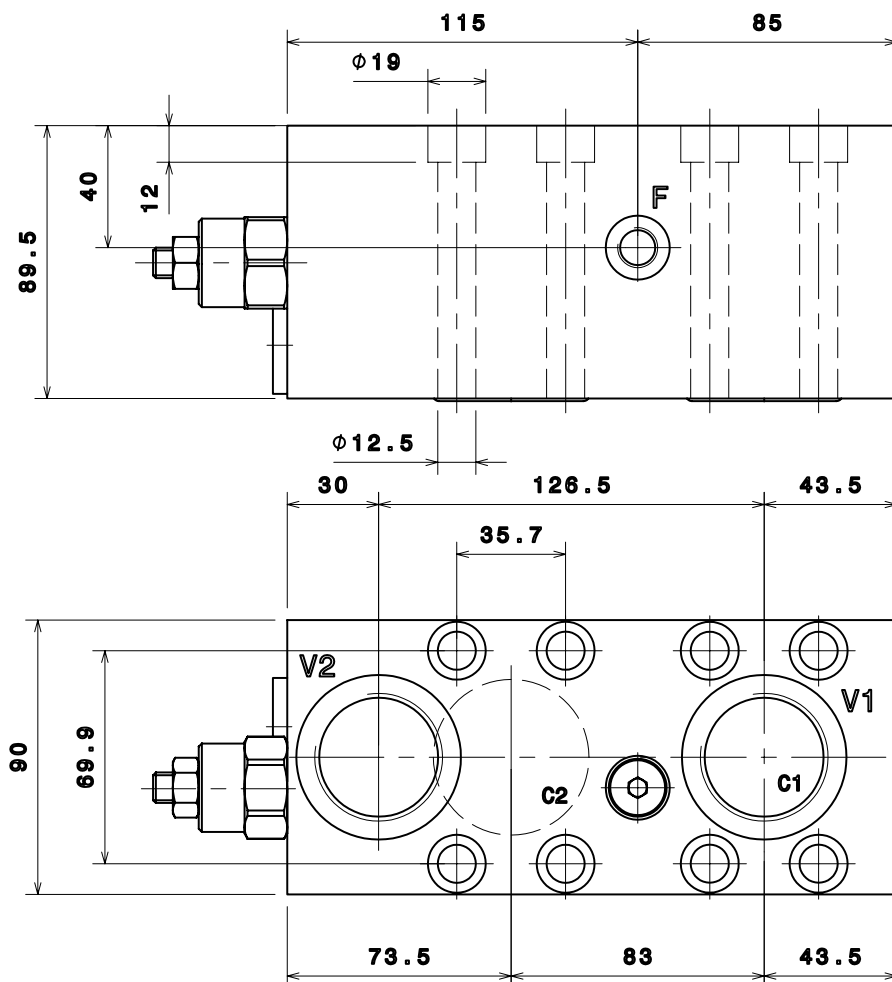
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SIZE AND TECHNICAL DATA

OVSA 300

OVSA SERIES



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

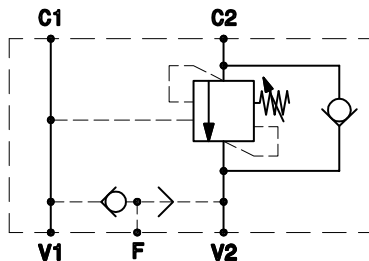
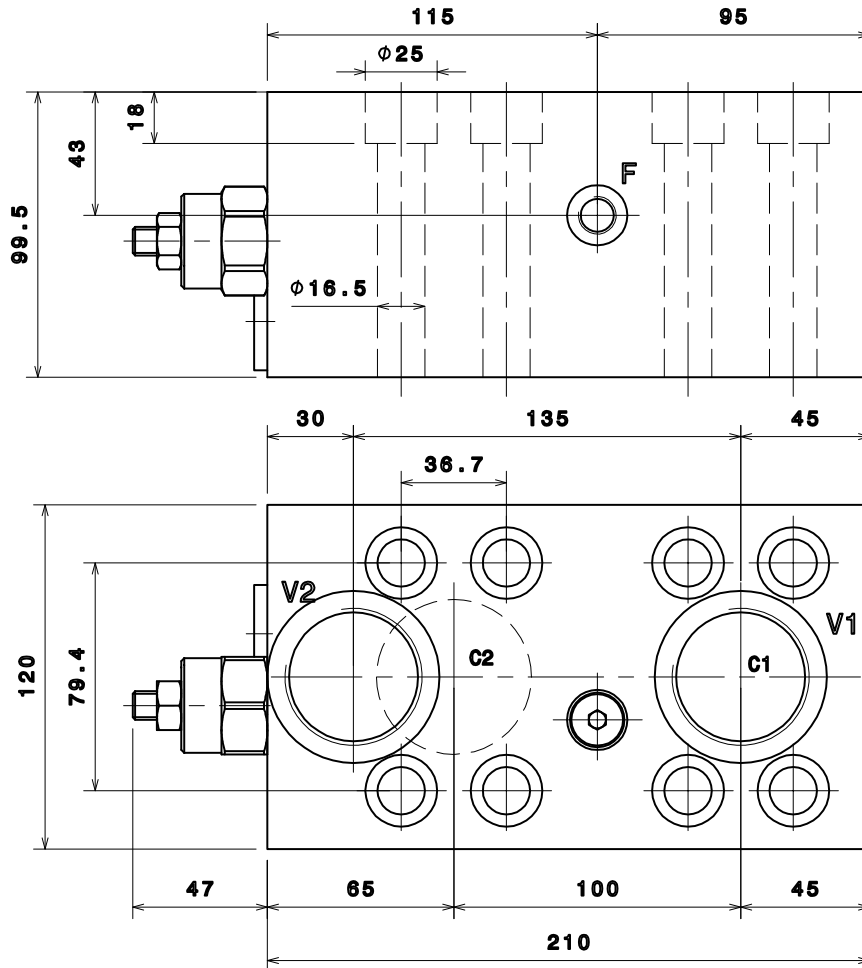
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SIZE AND TECHNICAL DATA

OVSA 480

OVSA SERIES



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

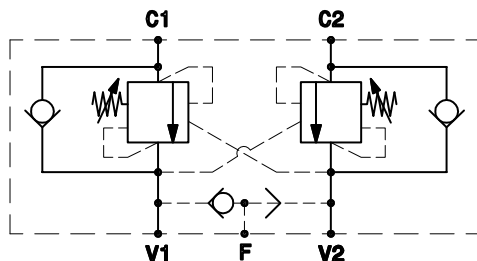
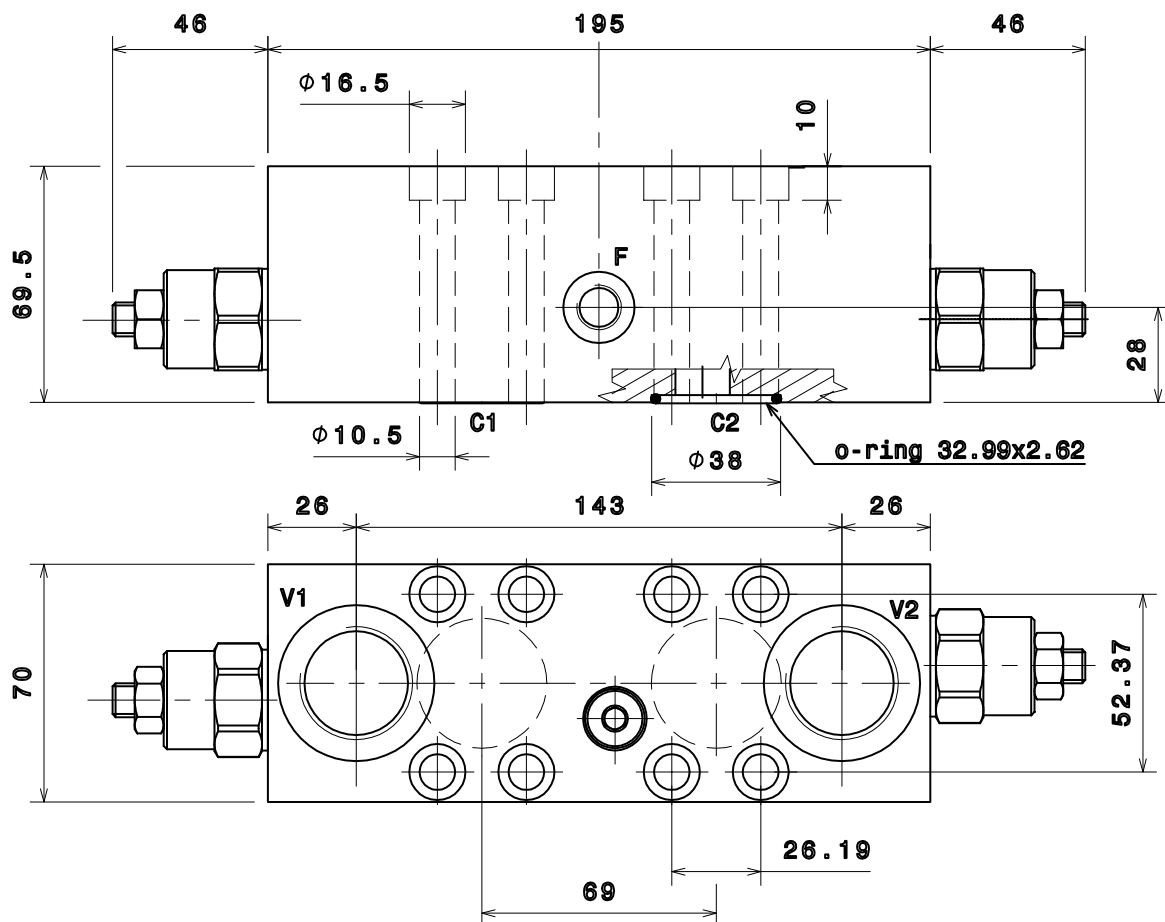
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SIZE AND TECHNICAL DATA

OVDA 160

OVDA SERIES



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

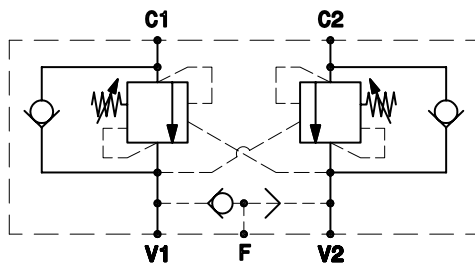
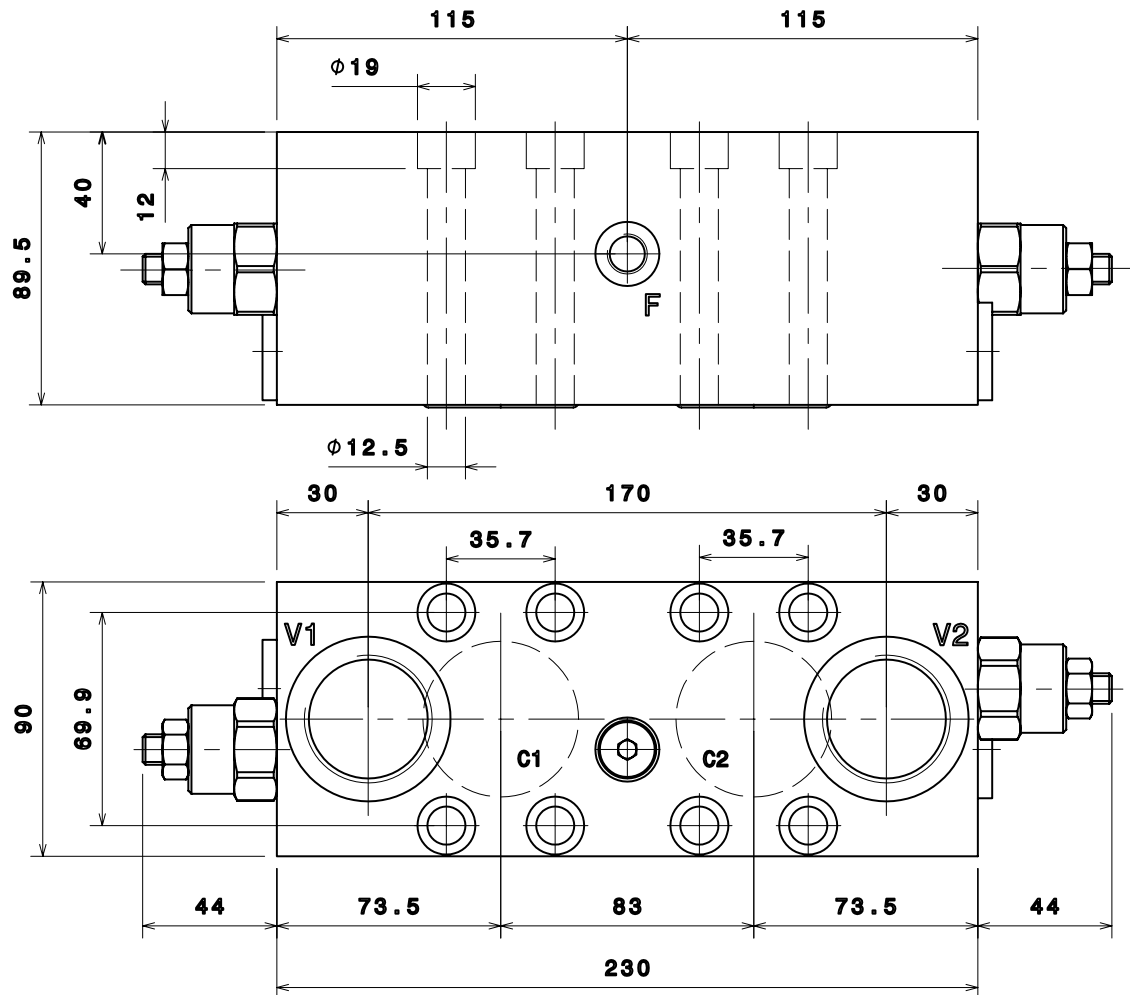
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SIZE AND TECHNICAL DATA

OVDA 300

OVDA SERIES



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

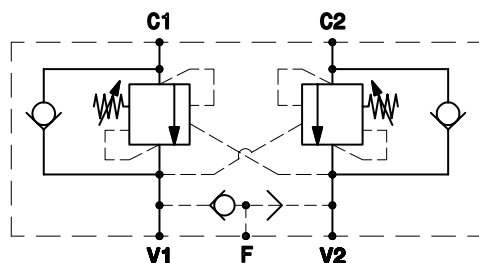
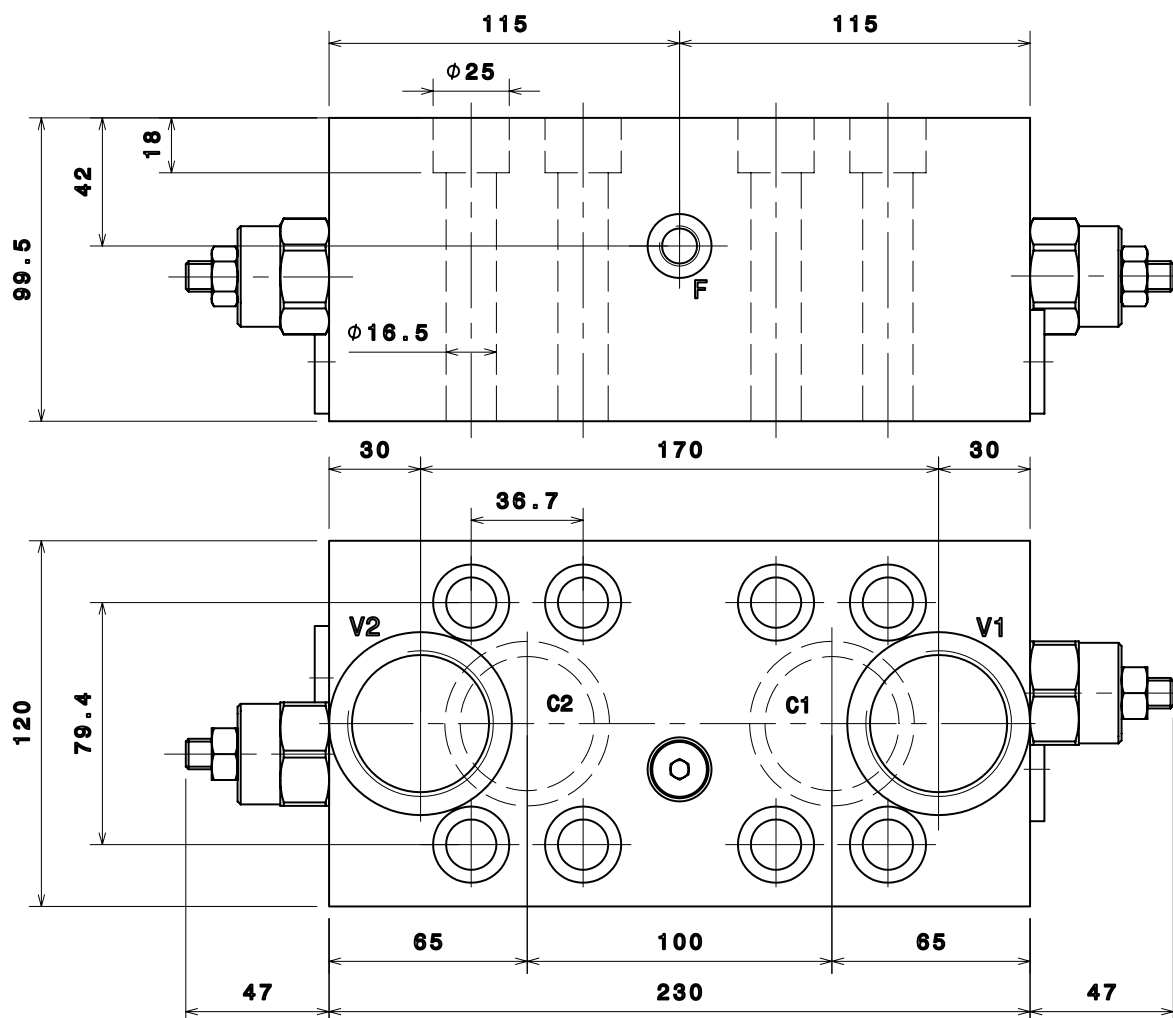
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SIZE AND TECHNICAL DATA

OVDA 480

OVDA SERIES



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

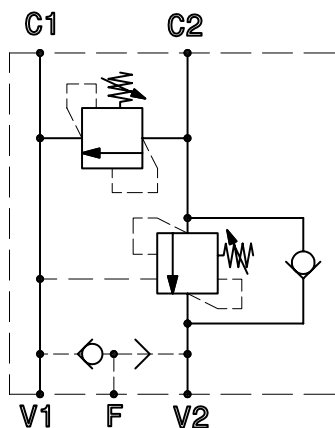
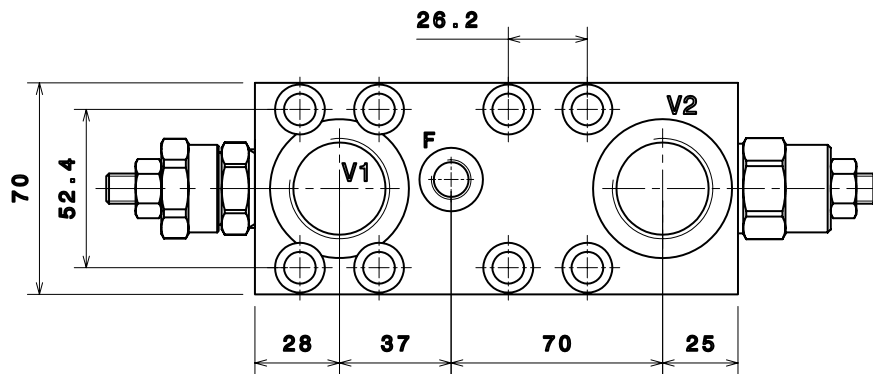
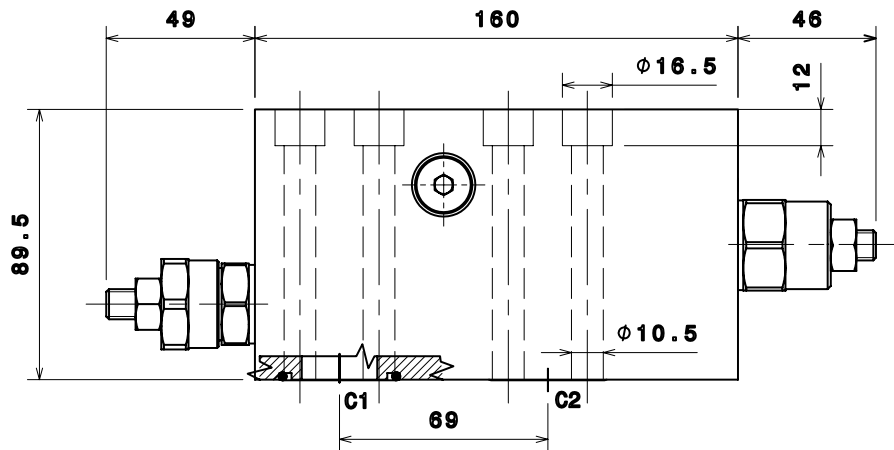
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SIZE AND TECHNICAL DATA

ORVSA 160

ORVSA SERIES



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

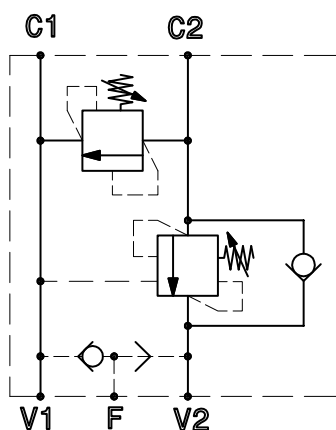
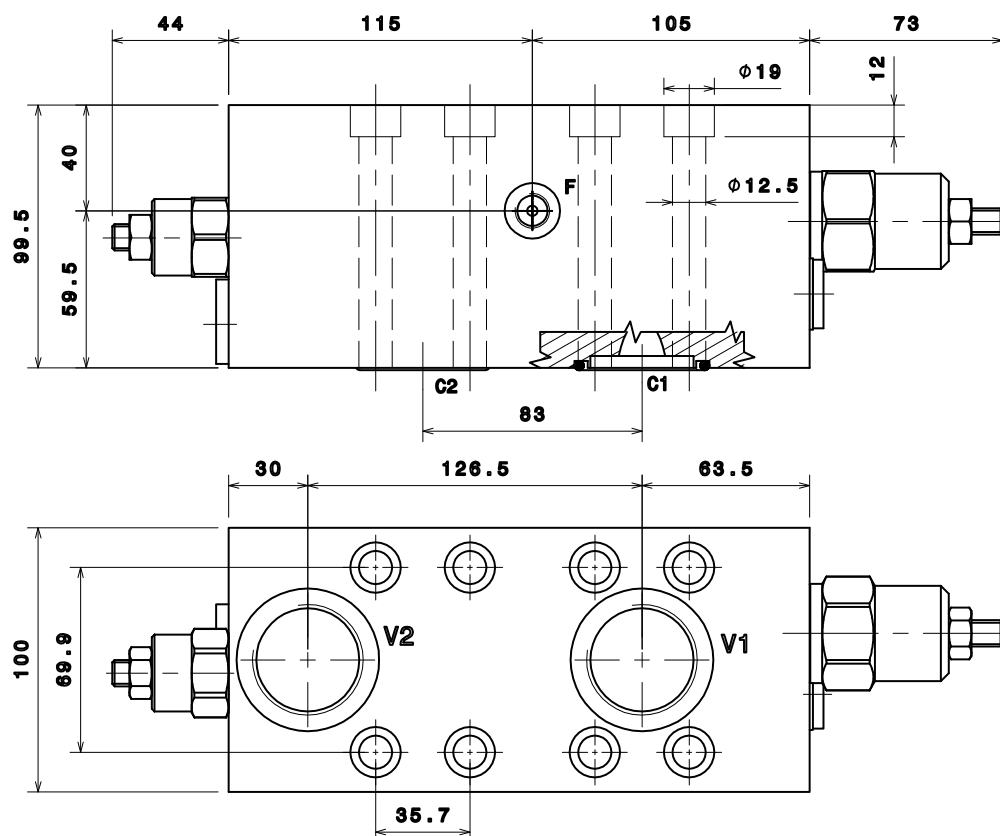
Intermot distributor fitting

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SIZE AND TECHNICAL DATA

ORVSA 300

ORVSA SERIES



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

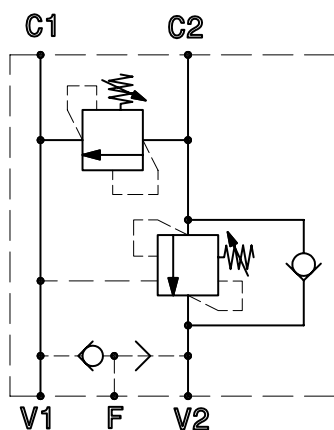
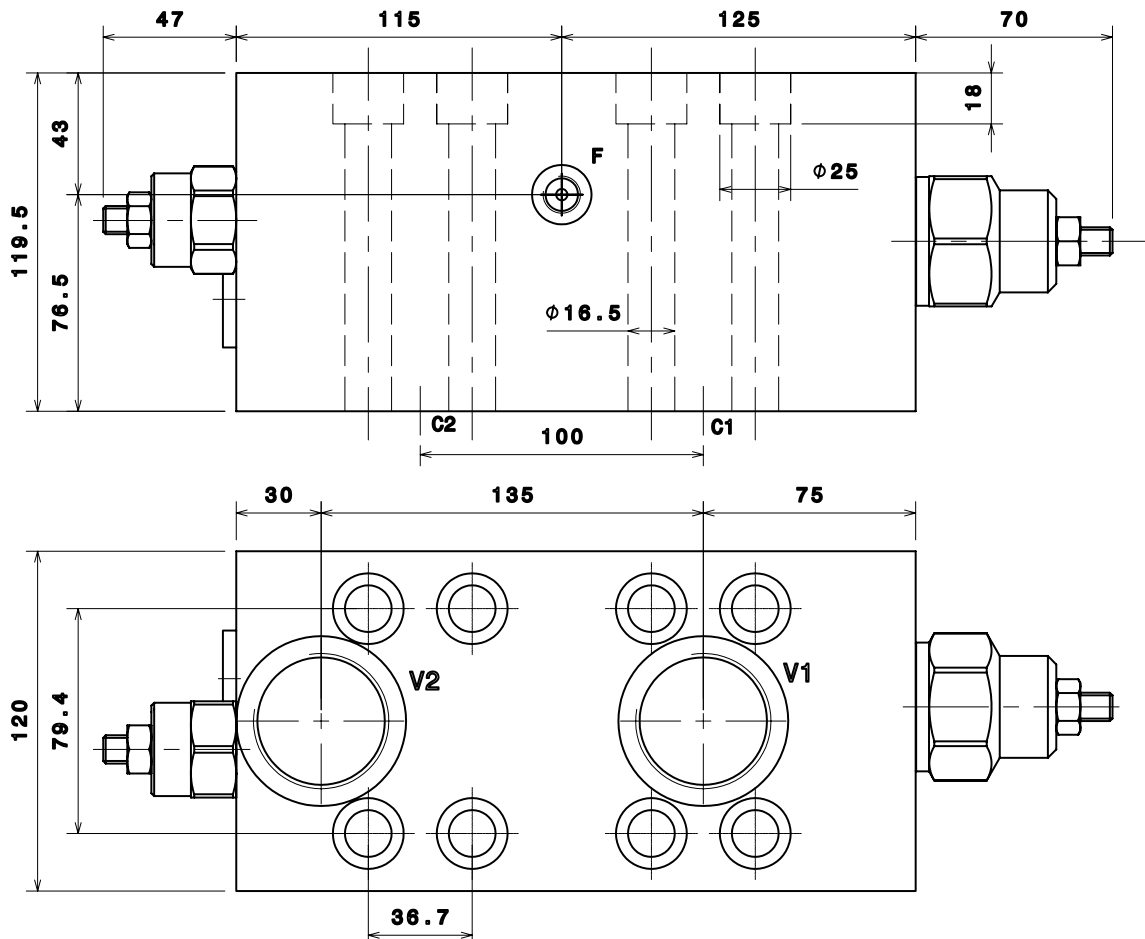
Intermot distributor fitting

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SIZE AND TECHNICAL DATA

ORVSA 480

ORVSA SERIES



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
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

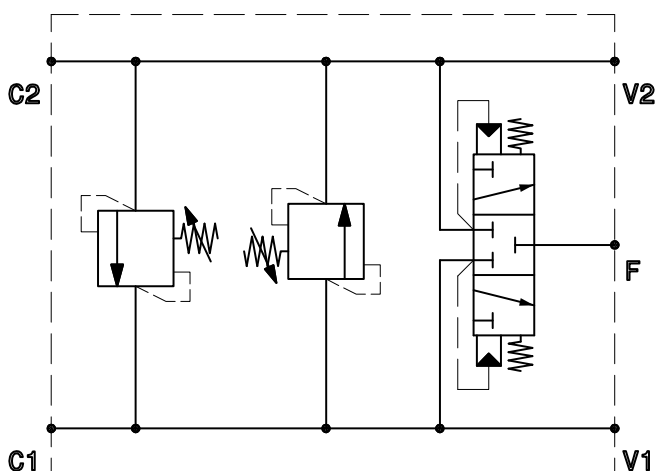
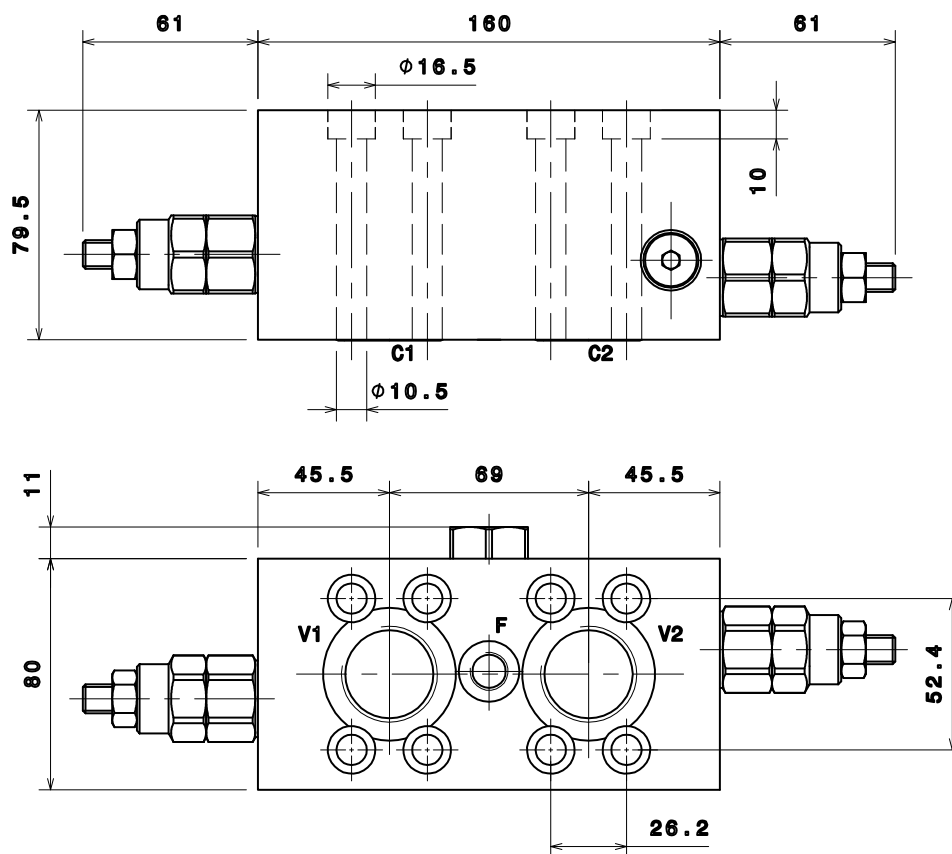
Intermot distributor fitting

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SIZE AND TECHNICAL DATA

RVDAP 80

RVDAP SERIES



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

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

Intermot distributor fitting

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ORDERING INSTRUCTIONS

VALVES

Valve type

OVDA
OVSA
RVDA
ORVSA
RVDAP

Size

80 (RVDAP)
160 (OVDA, OVSA, ORVSA)
300
480
80 (RVDA)
200
380

Pilot ratio
(only for OVDA, OVSA, ORVSA)

1
2
3
4

Relief valve setting range

A
B (for ORVSA valve: OVC valve setting range)
C

Optional: VLP relief valve setting range (only for ORVSA valve)

A
B
C

Intermot distributor fitting

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EXAMPLE: OVDA.300.1.A.D75
RVDA.200.C.D75
OVSA.160.2.B.D47
OVDA.480.1.A.D90
ORVSA.160.3.A.B.D47
RVDAP.80.B.D47