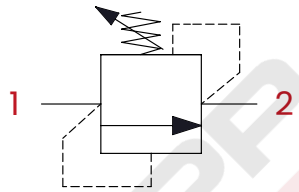
M40 *M20 X 1,5 - 50 l/min - 350 bar*

DIRECT ACTING RELIEF VALVES - GUIDED VERSION

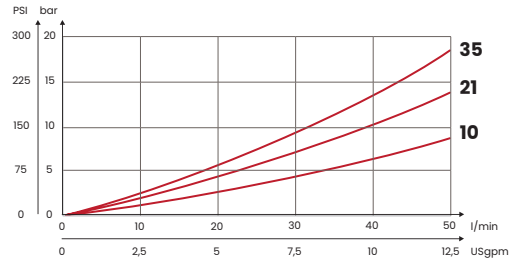
The purpose of the M40 pressure relief valves is to protect the hydraulic system from malfunctions or failures caused by excessively high pressures in the circuit.



HYDRAULIC CIRCUIT

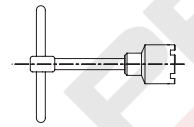


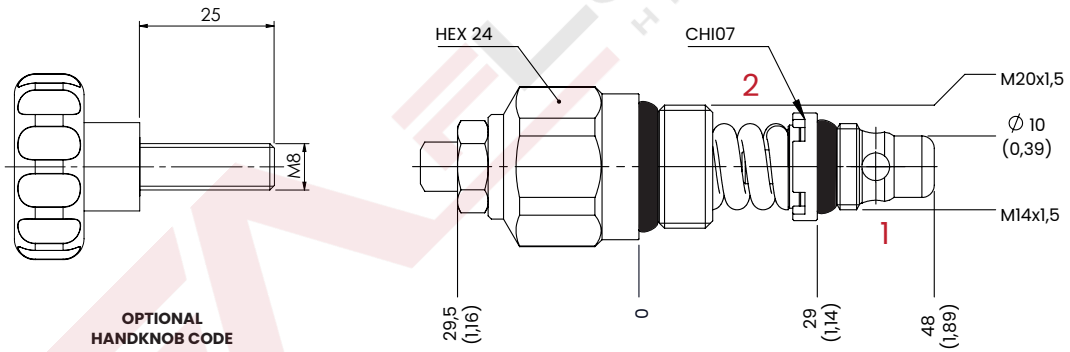
PERFORMANCES



OPTIONAL TOOL

TOOL
CHI07





OPTIONAL HANDKNOB CODE

62200012

mm [Inches]

OPTIONAL TAMPER PROOF CAP M8

CODE
62200020

ORDERING CODE

CODE	TYPE	CAVITY	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	RAGE SPRING bar [PSI]	INCREASE TO TURN bar [PSI]	M14X1,5 TIGHTENING TORQUE Nm [lbt ft]	M20X1,5 TIGHTENING TORQUE Nm [lbt ft]	WEIGHT kg [lb]
FA7009	M40C10	FC003 M20X1,5 See cavity paragraph p. 374	50 [13,3]	350 [5075]	10/70 [145/1015]	13 [189]	10 [7]	40 [30]	0,13 [0,29]
FA7010	M40C21				30/210 [435/3045]	50 [725]			
FA7011	M40C35				70/350 [1015/5075]	90 [1305]			

UPDATE. Jan. 2025 (v.07)

Mineral oil: DIN 51524 ISO 6743/4 | **Oil viscosity**: 15 to 250 cSt 15-250 mm2/s | **Oil temperature**: -4°F + 176°F -20°C +80°C | **Ambient temperature**: -4°F + 122°F -20°C +50°C | **Max contamination index with filter**: 5 to 250 cSt 15-250 mm2/s | It is necessary a filter use to protect the valve (advised filtration 15 µm) | **Max leakage**: 0,25 cm3/min - 5 drops/min at 80% of the calibration pressure

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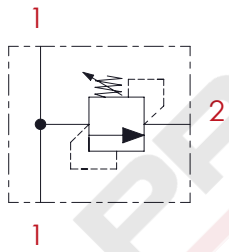
M40B RELIEF VALVES - 50 l/min BSPP

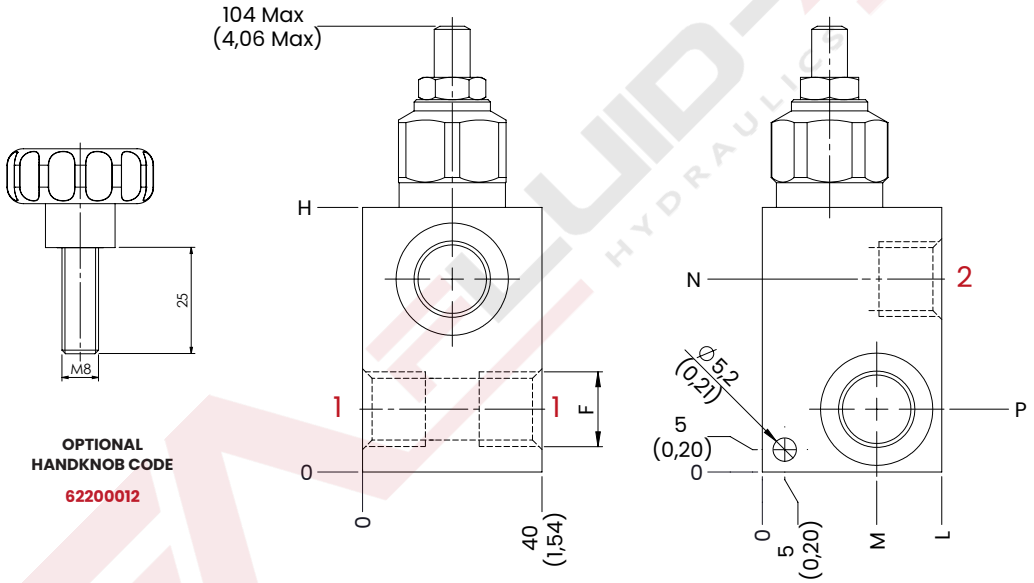
RELIEF VALVES 50 l/min

The purpose of the M40B pressure relief valve is to protect the hydraulic system from malfunctions or failures caused by excessively high pressures in the circuit.

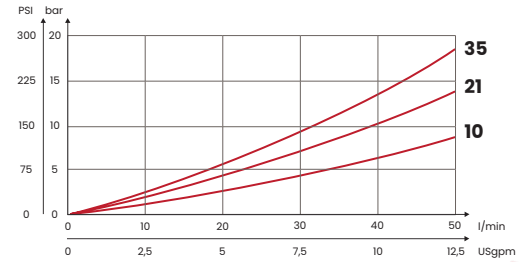


HYDRAULIC CIRCUIT





PERFORMANCES



OPTIONAL TAMPER PROOF CAP M8



CODE
62200020

ORDERING CODE

CODE	TYPE	F ports	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	RANGE SPRING bar [PSI]	INCREASE TO TURN bar [PSI]	WEIGHT kg [lb]
FA6026	M402BC10	3/8 BSPP	40 [10,6]	350 [5075]	10/70 [145/1015]	13 [189]	0,6 [1,32]
FA6027	M402BC21				30/210 [435/3045]	50 [725]	
FA6028	M402BC35				70/350 [1015/5075]	90 [1305]	
FA6029	M403BC10	1/2 BSPP	50 [13,2]		10/70 [145/1015]	13 [189]	0,7 [1,54]
FA6030	M403BC21				30/210 [435/3045]	50 [725]	
FA6031	M403BC35				70/350 [1015/5075]	90 [1305]	

TECHNICAL CHARACTERISTICS

mm [Inches]

F	L	M	N	P	H
3/8 BSPP	40 [1,57]	27 [1,06]	43 [1,69]	14 [0,55]	59 [2,32]
1/2 BSPP	45 [1,77]	29,5 [1,16]	44 [1,73]	15 [0,59]	60 [2,36]
Steel body					

Mineral oil: DIN 51524 ISO 6743/4 | **Oil viscosity**: 15 to 250 cSt 15-250 mm2/s | **Oil temperature**: -4°F + 176°F -20°C +80°C | **Ambient temperature**: -4°F + 122°F -20°C +50°C | **Max contamination index with filter**: 5 to 250 cSt 15-250 mm2/s | It is necessary a filter use to protect the valve (advised filtration 15 µm) | **Max leakage**: 0,25 cm3/min - 5 drops/min at 80% of the calibration pressure

UPDATE. Jan. 2025 (v.07)

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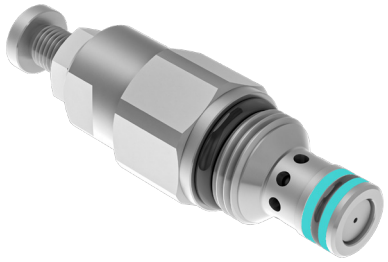
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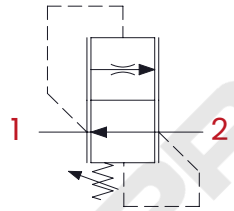
DR2 *SAE 8/2 - 35 l/min - 350 bar*

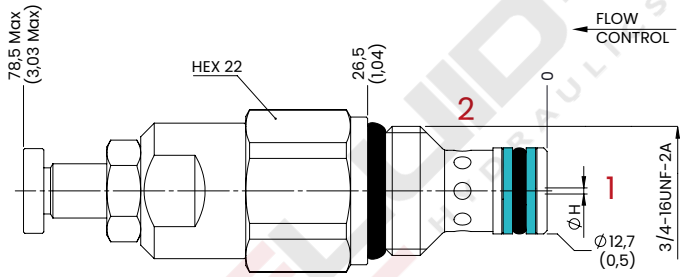
ADJUSTABLE FLOW CONTROL VALVES - PRESSURE COMPENSATED

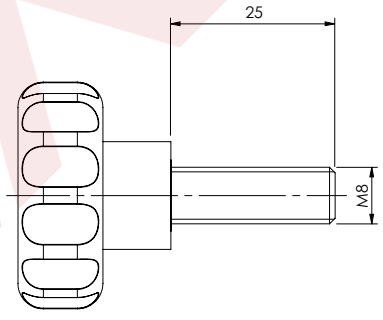
Adjustable compensated flow control valve, used to keep the speed constant, regardless of the working pressure.

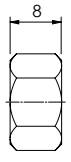
HYDRAULIC CIRCUIT











OPTIONAL HANDKNOB CODE

62200012

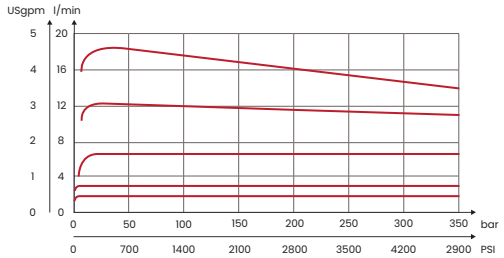
OPTIONAL NUT CODE

63300025

M8

mm [Inches]

PERFORMANCES



ORDERING CODE

CODE	TYPE	CAVITY	MAX FLOW CONTROLLED FLOW AT 100 bar ± 10% **l/min** [USgpm]	Ø H **mm** [Inches]	MAX PRESSURE **bar** [PSI]	TIGHTENING TORQUE **Nm** [lbt ft]	WEIGHT **kg** [lb]
FA7028	DR2C1	SAE8/2 3/4-16UNF-2B See cavity paragraph p. 370	0,6-2,2 [0,16-0,58]	0,9 [0,03]	350 [5075]	30 [22]	0,12 [0,26]
FA7029	DR2C2		0,8-3 [0,21-0,79]	1 [0,04]			
FA7030	DR2C3		1,3-5,1 [0,34-1,35]	1,3 [0,05]			
FA7031	DR2C4		1,9-6,8 [0,5-1,8]	1,5 [0,06]			
FA7032	DR2C5		2,6-9,1 [0,69-2,4]	1,7 [0,07]			
FA7033	DR2C6		4-14,4 [1,06-3,08]	2,2 [0,09]			
FA7034	DR2C7		7,2-24 [1,9-6,34]	2,8 [0,11]			
FA7066	DR2C8		10-35 [2,64-9,25]	3,5 [0,14]			

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