

Nominal flow rate		45 l/min(DMB-3)	12 US gpm(DMB-3)	60 l/min (DMB-4)	16 US gpm(DMB-4)
Operating pressure(maximum)	parallel or tandem circuit	315 bar	4600 psi	315 bar	4600 psi
	series circuit	210 bar	3050 psi	210 bar	3050 psi
Back pressure(maximum)	on outlet port T	25 bar	360 psi	25 bar	360 psi
Fluid temperature range	with NBR(BUNA-N) seals	from - 20° to 80°C	from - 4° to 176°F	from - 20° to 80°C	from - 4° to 176°F
	with FPM(VITON) seals	from - 20° to 100°C	from - 4° to 212°F	from - 20° to 100°C	from - 4° to 212°F
Viscosity	operating range	from 15 to 75 mm <sup>2</sup> /s	from 15 to 75 cSt	from 15 to 75 mm <sup>2</sup> /s	from 15 to 75 cSt
	min	12 mm <sup>2</sup> /s	12 cSt	12 mm <sup>2</sup> /s	12 cSt
	max.	400 mm <sup>2</sup> /s	400 cSt	400 mm <sup>2</sup> /s	400 cSt

Nominal flow rate		80 l/min	21 US gpm
Operating pressure(maximum)	parallel or tandem circuit	315 bar	4600 psi
	series circuit	210 bar	3050 psi
Back pressure(maximum)	on outlet port T	25 bar	360 psi
Fluid temperature range	with NBR(BUNA-N) seals	from - 20° to 80°C	from - 4° to 176°F
	with FBR(VITON) seals	from - 20° to 100°C	from - 4° to 212°F
Viscosity	operating range	from 15 to 75 mm <sup>2</sup> /s	from 15 to 75 cSt
	min	12 mm <sup>2</sup> /s	12 cSt
	max.	400 mm <sup>2</sup> /s	400 cSt
Ambient temperature range		from - 40° to 60°C	from - 40° to 140°F

Max. pressure	Port P continuous	350 bar <sup>1)</sup>	[5075 psi] <sup>1)</sup>
	Port A/B	350 bar	[5075 psi]
	Port T, static/dynamic	25 bar/40 bar	[365/580 psi]
Oil flow, rated (See characteristics, page 31 - 36)	Port P	140/230 l/min <sup>3) 4)</sup>	[37/61 US gal/min] <sup>3) 4)</sup>
	Port A/B, with press. comp.	100 l/min <sup>2)</sup>	[26.4 US gal/min] <sup>2)</sup>
	Port A/B, without press. comp.	125 l/min	[33 US gal/min]
Spool travel, standard		± 7 mm	[±0.28 in]
Spool travel, float position spool	Proportional range	± 4.8 mm	[±0.19 in]
	Float position	8 mm	[±0.32 in]
Dead band, flow control spools	Standard	± 1.5 mm	[±0.06 in]
	Linear characteristic	± 0.8 mm	[±0.03 in]
Max. internal leakage at 100 bar [2175 psi] and 21 mm <sup>2</sup> /s [102 SUS]	A/B → T, without shock valve	20 cm <sup>3</sup> /min	[1.85 in <sup>3</sup> /min]
	A/B → T, with shock valve	25 cm <sup>3</sup> /min	[2.15 in <sup>3</sup> /min]
Oil temperature (inlet temperature)	Recommended temperature	30 → 60°C	[86 → 140°F]
	Min. temperature	-30°C	[-22°F]
	Max. temperature	+90°C	[194°F]
Ambient temperature		-30 → +60°C	[-22 → +140°F]
Oil viscosity	Operating range	12 - 75 mm <sup>2</sup> /s	[65 - 347 SUS]
	Min. viscosity	4 mm <sup>2</sup> /s	[39 SUS]
	Max. viscosity	460 mm <sup>2</sup> /s	[2128 SUS]
Filtration (See page 55)	Max. contamination (ISO 4406)	18/16/13	18/16/13
Oil consumption in pilot oil pressure reduction valve		1 l/min	[0.25 us gal/min]

1) With PVSI end plate. With PVS end plate max. 300 bar [4351 psi].

2) For 130 l/min contact technical Sales Organization for Sauer-Danfoss

3) In open circuit systems with short P-hoses/tubes, attention should be paid to pressure peaks at flows >100 l/min. [26.4 US gal/min]