





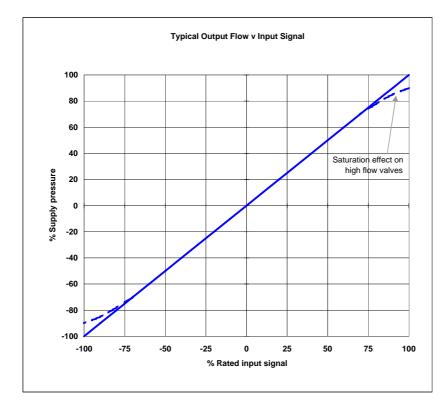
2-stage electric feedback, on board electronics Low mass, high band-width torque motor High spool drive forces Long life "Sapphire Technology" design Higher resolution, lower hysteresis Rated flows 4 to 75 l/min at 70 bar Higher frequency & step response External pilot supply (5 port) ISO 10372 size 4

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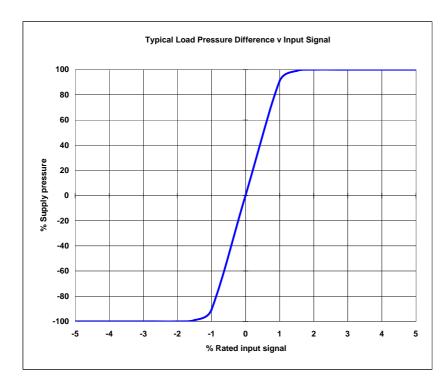
Technical Data

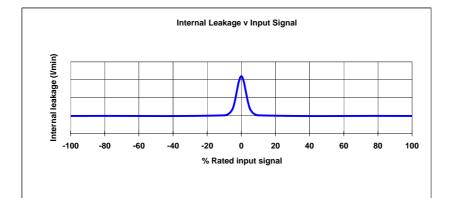
Hysteresis < 0.5% Threshold < 0.1% Null shift with 40 °C temp change < 2% with 70 bar supply pressure change < 2% with 70 bar supply pressure ot 0.35 bar < 2% Load pressure difference at 1% input > 60% of supply Seal material options FPM, NBR, EPD Temperature range (ambient) -15 to 80 °C Proof pressure at pressure port at pressure 250% max supply External leakage zero Degree of protection EN 50529P IP 65 Weight 1.4 kg Vibration 30 g. 3 axes Mounting position Any, fixed or modeling Supply filtration non by-pass non by-pass Beta 10 = 200 (18) Cleanliness level per ISO 4406: 1999 16/14/12 minimum 16/14/12 recommended 210 bar Supply pressure (max) EPDM EPDM 210 bar FPM, NBR 315 bar	& 75 I/min atings consult factory
Null shift vith 70 bar supply pressure change < 2%	
with 40 °C temp change with 70 bar supply pressure change with return pressure 0 to 35 bar<2% <2% 	
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EPDM210 barFPM, NBR315 barSupply pressureConstant	
FPM, NBR315 barSupply pressureConstant	
Supply pressure Constant	
Fluid viscosity 10 to 100 cSt	
Fluid type Petroleum base	d mineral oil
For operation w	vith other media consult factory



The flow tolerance for standard servovalves is $\pm 10\%$ of the rated flow at 100% rated input signal.

The rated flow is quoted at 70 bar Δp , 100% rated input signal.





conditions.

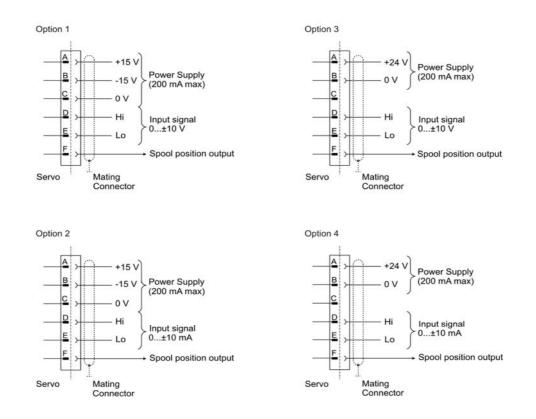
Pressure gain characteristic will

vary with positive and negative lap

This comprises of both 1st stage flow (tare leakge) and the second stage null leakage.

Figures vary in accordance with rated flow, spool lap and performance characteristics.

Electrical Details



Notes

Above options are factory set

Power supply voltage ±3% of rated figure, ripple < 50 mV p-p

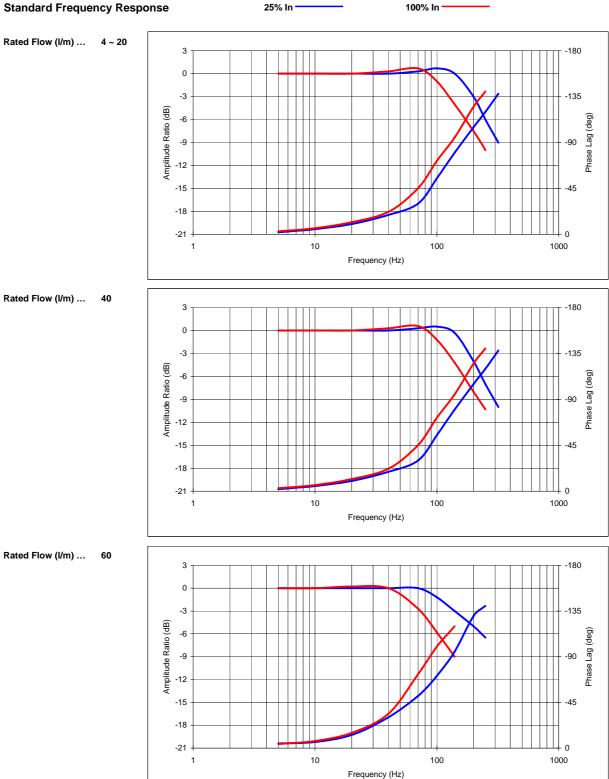
Connection cable to be DEF STAN 61-12, part 4 screened, 7-2-C type, 8 core (7/0.2 mm)

+ve input to pin D causes flow in the direction of P » C2, C1 » R

Pin F must be referenced to 0 V

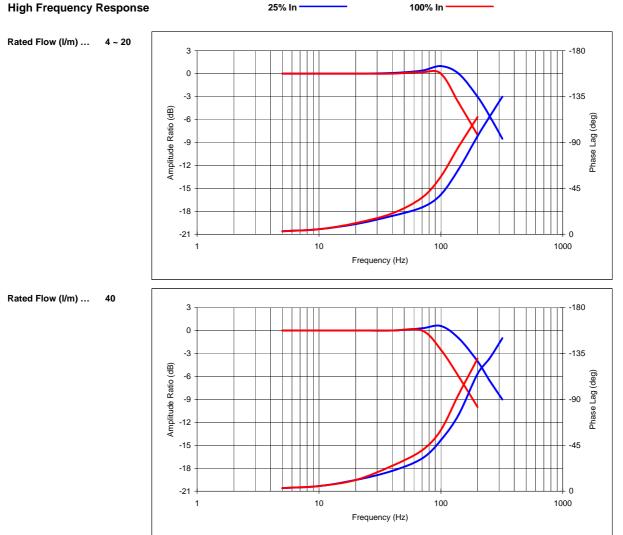
CE

Standard Frequency Response

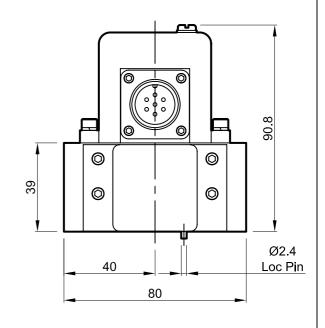


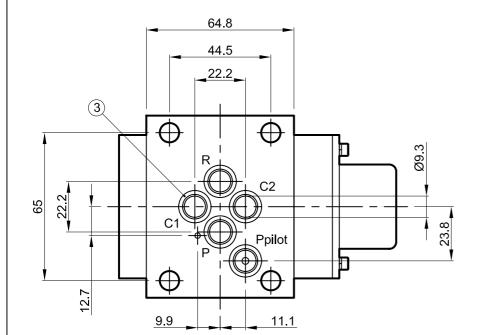
Typical performance curves optimised per 210 bar supply pressure, fluid viscosity 32 cSt at 40 °C

High Frequency Response



Typical performance curves optimised per 210 bar supply pressure, fluid viscosity 32 cSt at 40 $^{\rm o}{\rm C}$





1. Suggested mounting bolts M8 x 60 long high tensile steel socket head cap screws.

2. 7-way electrical connector mates with MS3106E-14S-A7SN or equivalent. Is available at 180° to position shown (advise desired position at time of order).

3. Base O-Rings: 10.82 I/D x 1.78 section (5 pcs).

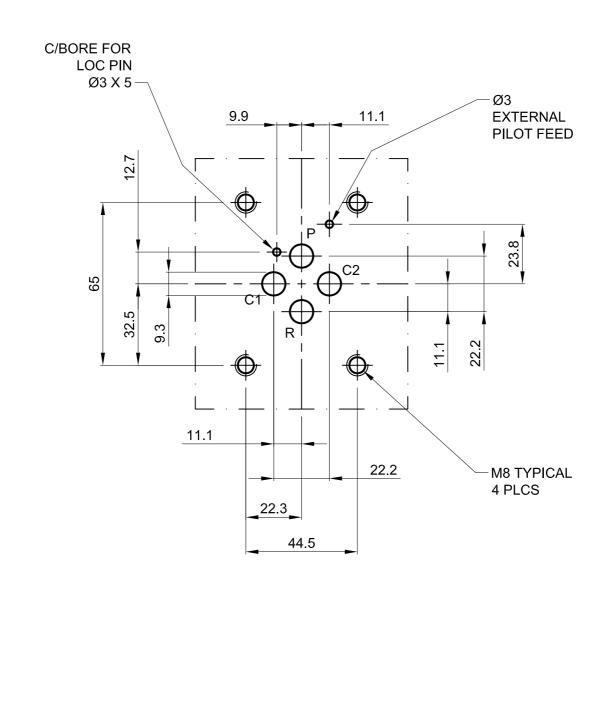
4. Null adjustment potentiometer.

Installation Details Model 552E

Dimensions in millimeters 3rd angle projection

ID552E-2Q10-En

0.8 0.02 Surface to which valve is mounted



Manifold Dimensions Model 552E

Dimensions in millimeters 3rd angle projection Filename

0.8 0.02 Surface to which valve is mounted