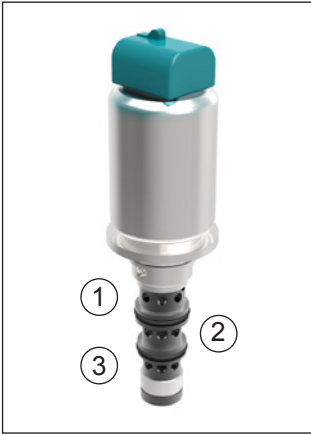


Up to 50 bar - Up to 30 lpm

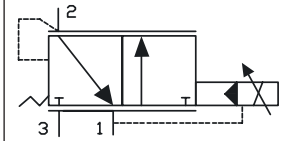


Operation

The D-IPPRZ59 generates a variable pressure in response to a PWM (Pulse Width Modulated) current signal. With no current applied to the proportional solenoid, the inlet port 3 is blocked and the regulated port 2 is vented to port 1.

As current is increased, fluid pressure is proportionally controlled at the regulated port 2. On attainment of proportionally determined pressure at 2, the cartridge shifts to block flow at 3, thereby regulating pressure at 2. In this mode, the valve also will relieve 2 to 1 at a variable value over the set reducing pressure.

Symbol



Features

- Economical slip-in style.
- Efficient wet-armature construction.
- Integral waterproof coil.
- Hardened parts for long life.

Flanged Retained Product.



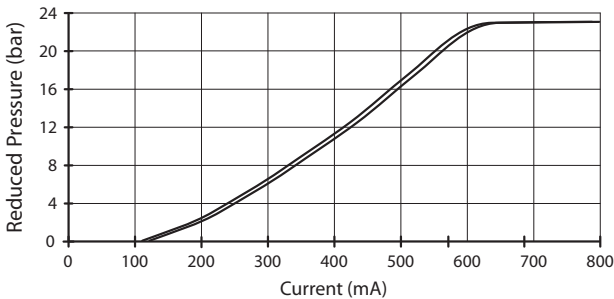
The coil (12 Vdc) is an integral part of the valve and is not serviceable.

Inlet pressure up to 50 bar. Max regulated pressure can be increased up to 35 bar (factory preset)

Tank Pressure level above zero is additive to the valves expected reduced pressure value.

Performance.

Reduced Pressure (bar) vs. Current (mA)
(12 V coil, 24 bar inlet pressure)



Curve is attained with SAE 40 Grade oil @ 50°C

Valve Specifications

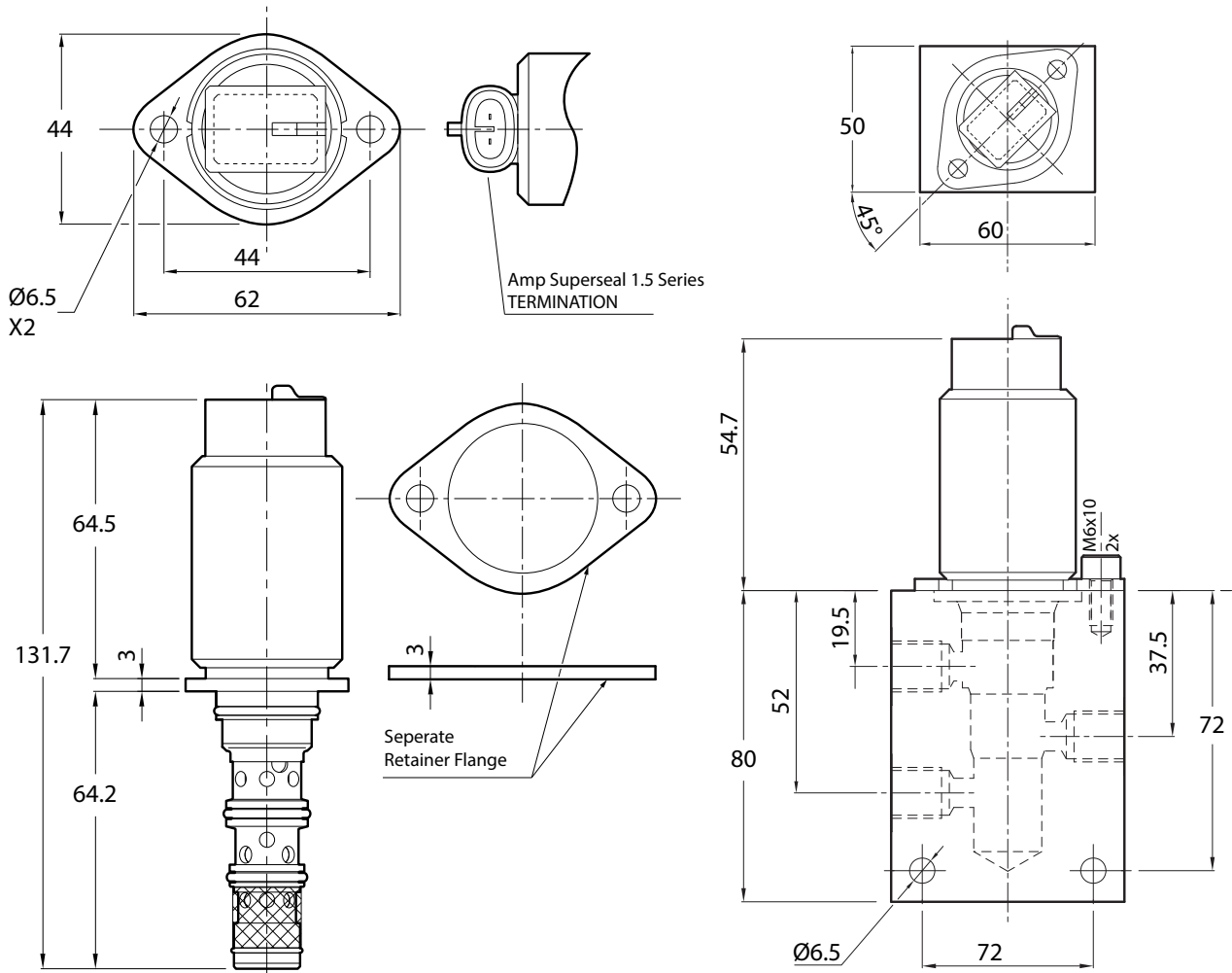
Flow Range (lpm)	30 lpm @ 3 bar Delta P
Max. Inlet Pressure	50
Controlled Pressure Range	(see graph)
Max. Internal Leakage	<500 cc/min @ 35 bar
Hydraulic Oil	General purpose hydraulic fluid
Viscosity Range	5 to 5000 cSt
Filtration	ISO 18/15/13
Operating Temp.	-25 to 85°C
Flange Mounting Screws	M6x10 / torque 6Nm
Cavity	T059 (see cavity data page CAV-T059)
Weight - Valve only	0.29 kg

Coil Specifications

Current Supply	PWM (Pulse Width Modulation)
Rated Current Range	100 - 900 mA
PWM or Super-imposed Dither Frequency	100 - 150 Hz
Coil Resistance (12 vdc)	10 Ohm +/- 5% at 20°C
Max. Power Consumption	14 Watt
Protection Degree	IP67 according to IEC 529
Coil Termination	Amp Superseal 1.5 Series 282080-1 type

Dimensions

[mm]



Ordering Code

D-IPPRZ59AM12

