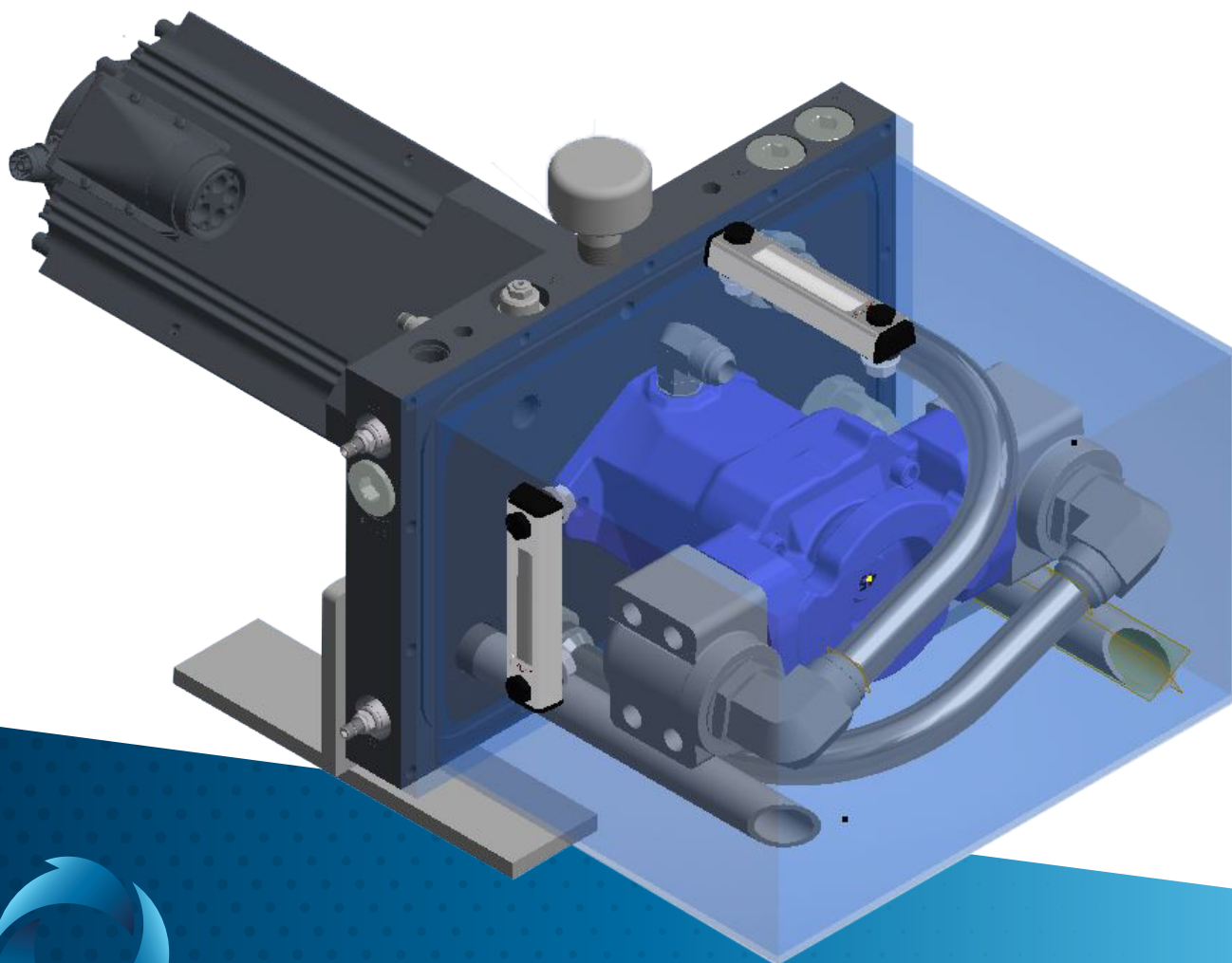


***SERVO* PowerPack**

Bi-Directional Servo Hydraulic Integrated Technology



Hydrotech

SERVO PowerPack

Bi-Directional Servo Hydraulic Integrated Technology

The bridge between standard hydraulic powerpacks and electro-mechanical power systems. This single axis, bi-directional system, offers many feature upgrades when compared to a standard hydraulic system without the extensive costs of an all electric system.

- velocity control
 - position control
 - pressure/force control
 - increased energy savings
 - low heat generation when properly sized
 - lower noise generation compared to standard hydraulic powerpack system
- no need for proportional/directional valves
 - very fast processing speed for accurate control of control loops
 - can be controlled via Fieldbus communication of discrete wiring
 - power on-demand functionality
 - safe torque off (STO)

The SERVO PowerPack is designed for the operation of a single hydraulic axis. It can be utilized in several different ways depending on how the control program is set up. This gives you as the user maximum flexibility and controllability for whatever the task may be. Maintenance costs are lowered as well due to the small tank design minimizing the amount of hydraulic oil needed to operate the system. The built in filtration circuit helps keep oil clean of debris and contaminants for longer life of oil and more importantly, the pump. Utilizing Indraworks Engineering software, this unit can be programmed, tuned, and configured all in one software package.

To add even more flexibility, the servo drive comes standard with multi-ethernet capability. That means that whether you need Ethernet/IP, Sercos 3, ProfiNET, EtherCAT, or a host of other communication protocols, you are covered. With proper sizing and specs, this system can be your complete hydraulic axis control solution.

Part Number

S	P	P	-	1	-	2	-	3	-	4	5	-	6	-	N	N	N	N	
				1			2	3			4	5	6						
				Motor Type			Motor Acc.	Drive Size			Pump Type	Pump Size (cc)	System Type						
				07D			N - No fan	28			F - Fixed Displacement	10	V - Velocity Control						
				07E			F - Fan	54			V - Variable Displacement	18	P - Position Control						
				10C				70				28							
				10D				100				63							
				10E									F - Force Control						

*Note that system type will determine which drive type you will need. Position control only will use a HCS01 Cs Drive. Force Control will require additional I/O and thus use a HCS02 C Drive.

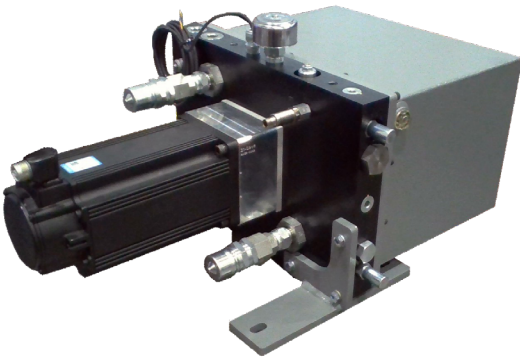
*Velocity and Position Control System Types come with Pressure Control on A Side OR B Side built in.

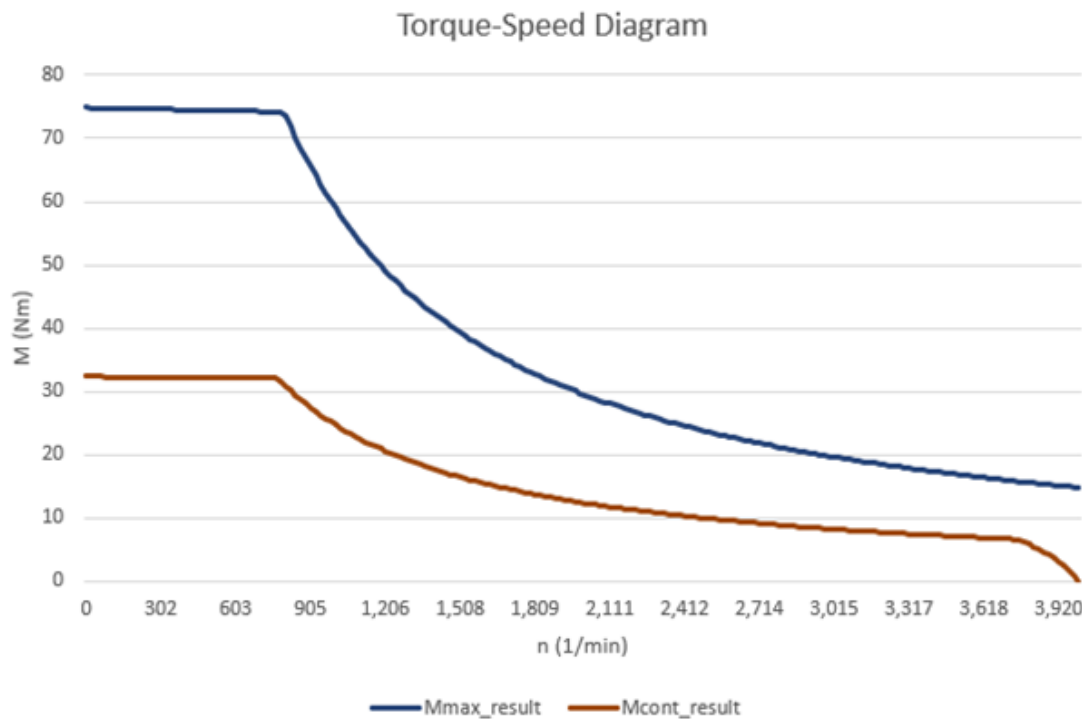
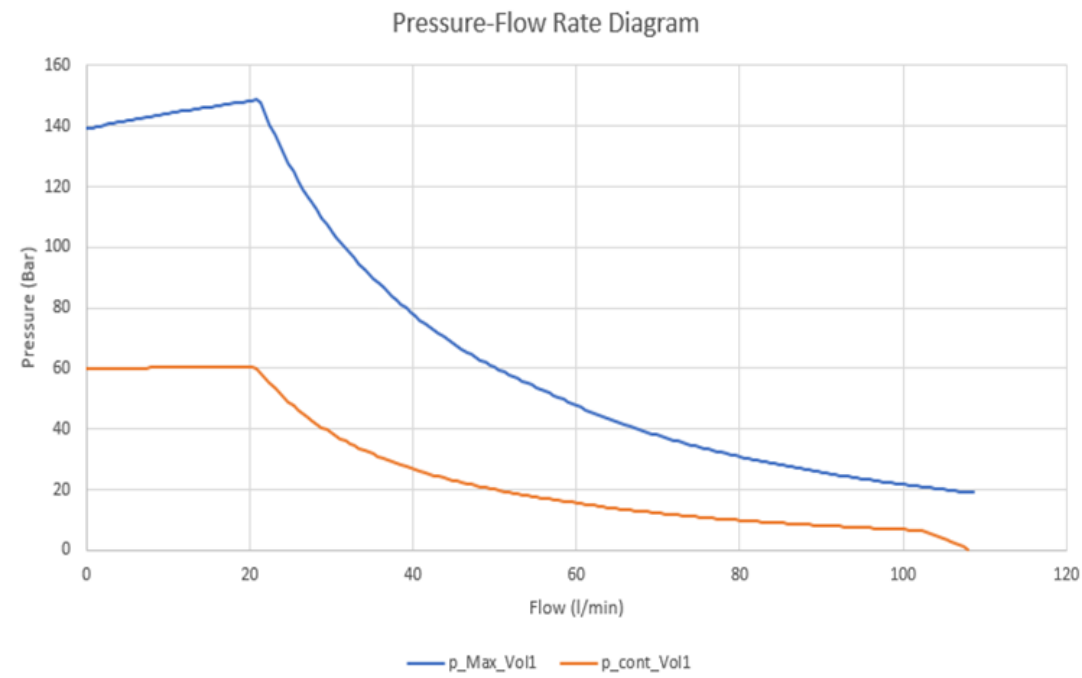
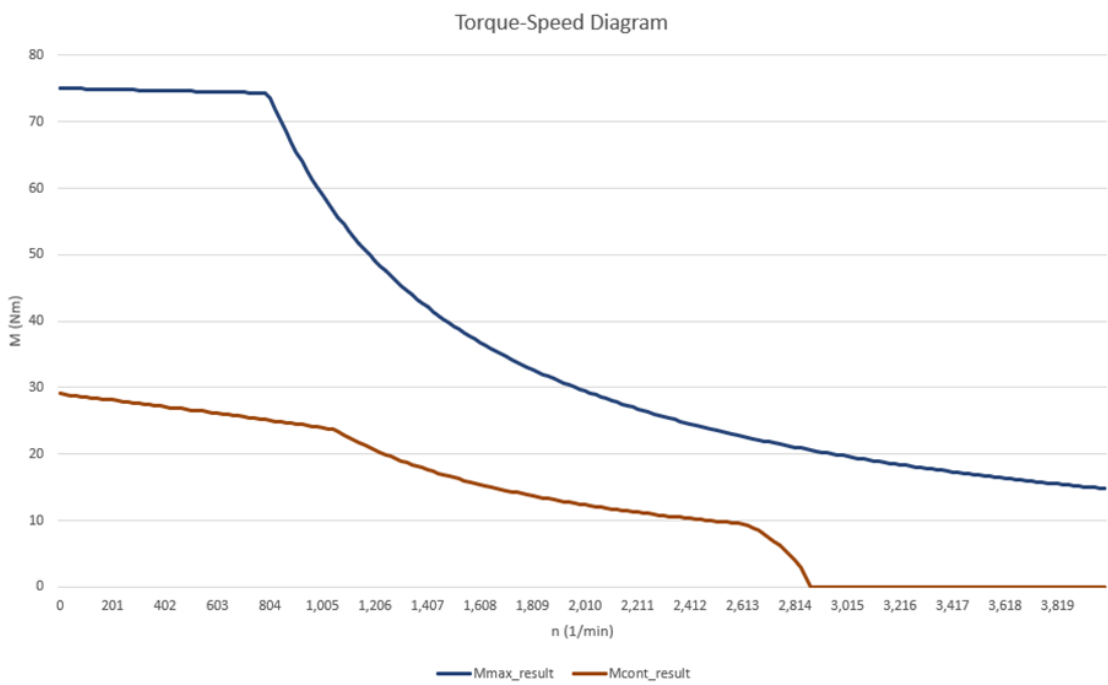
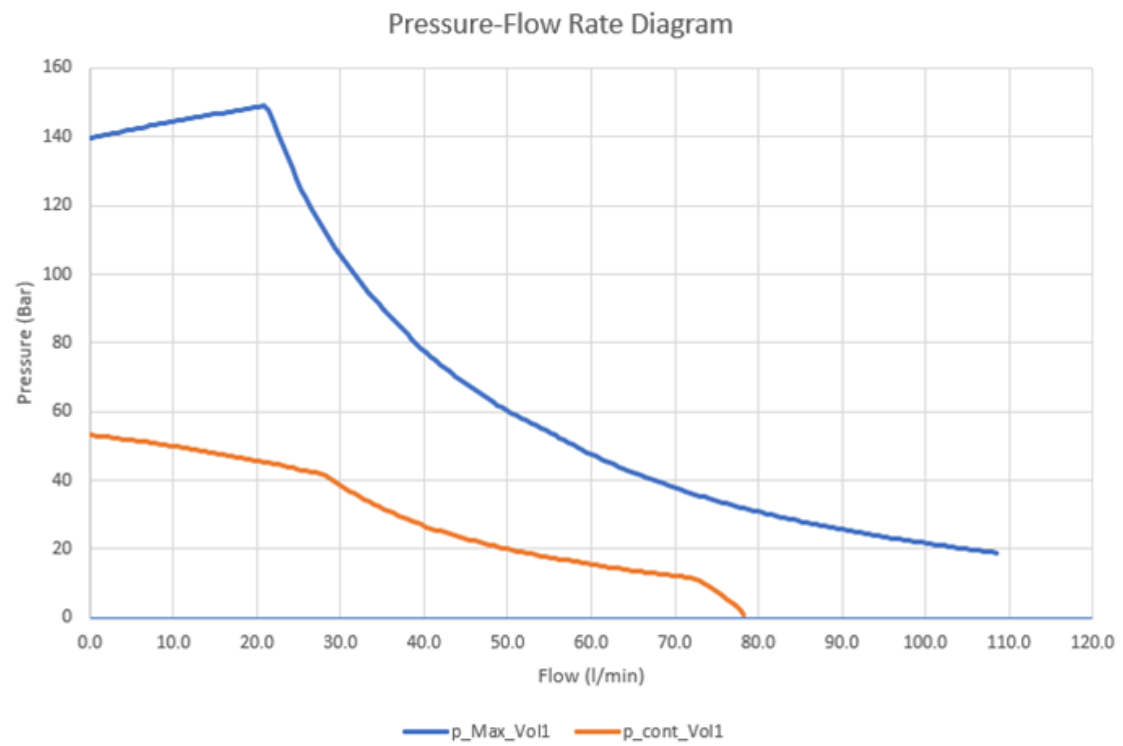
Example Configuration

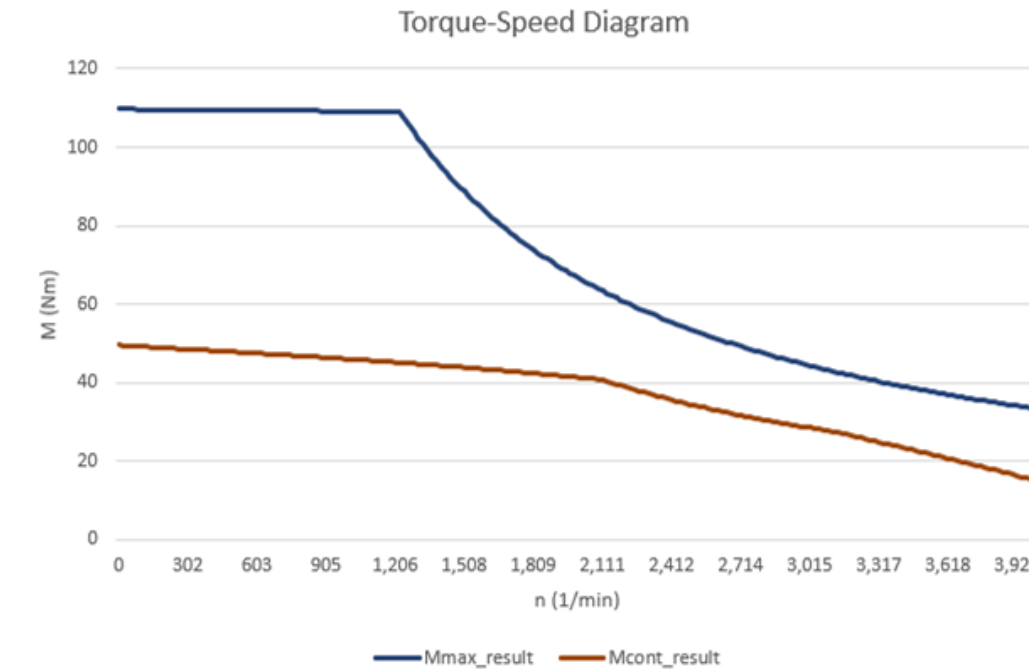
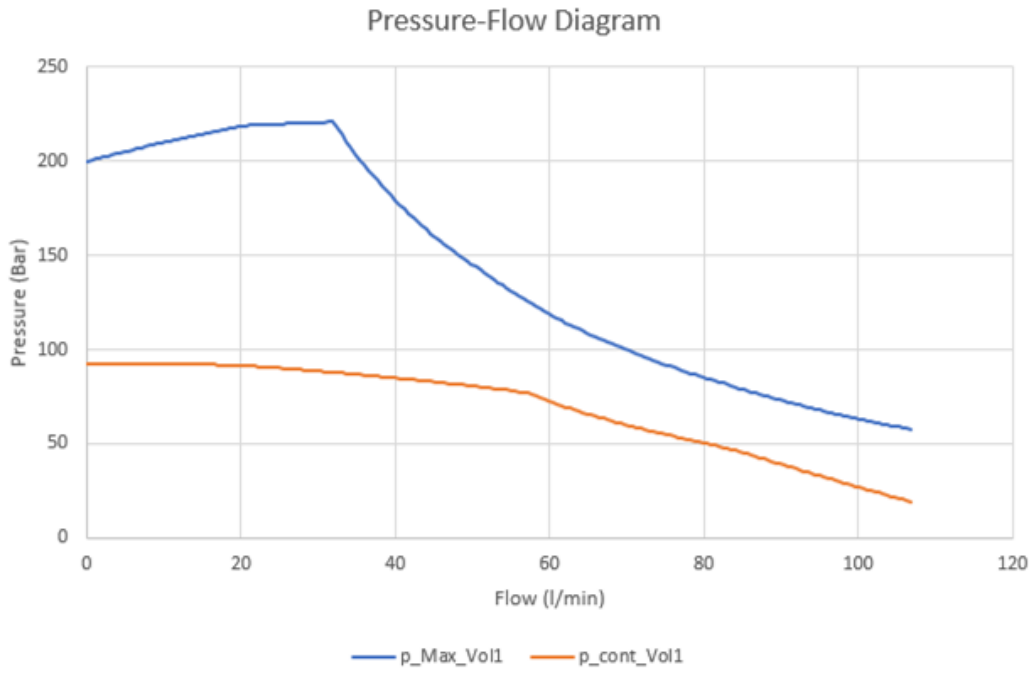
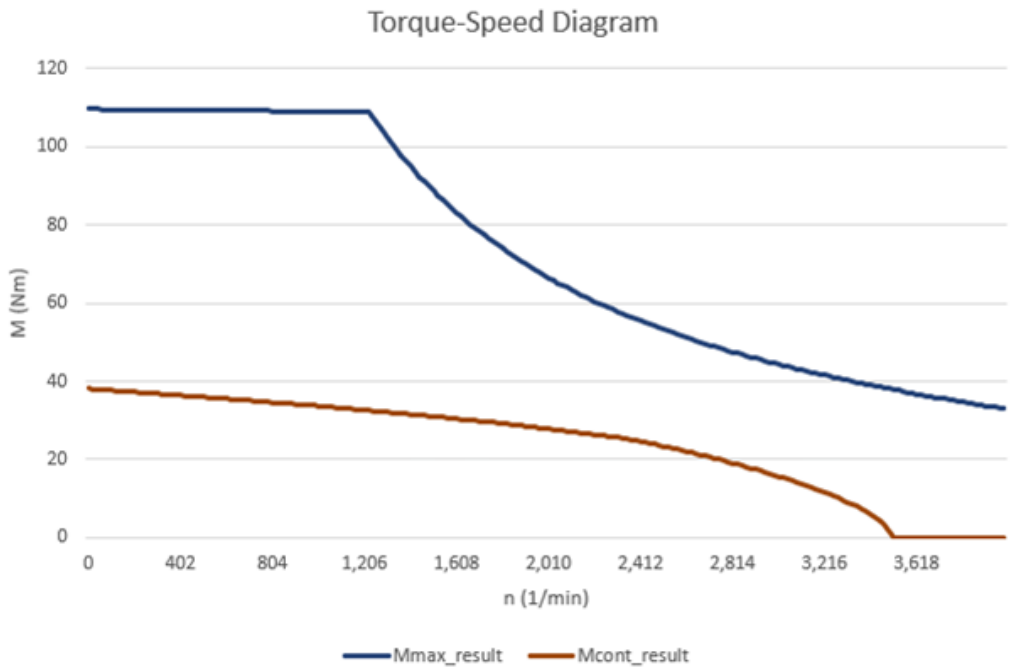
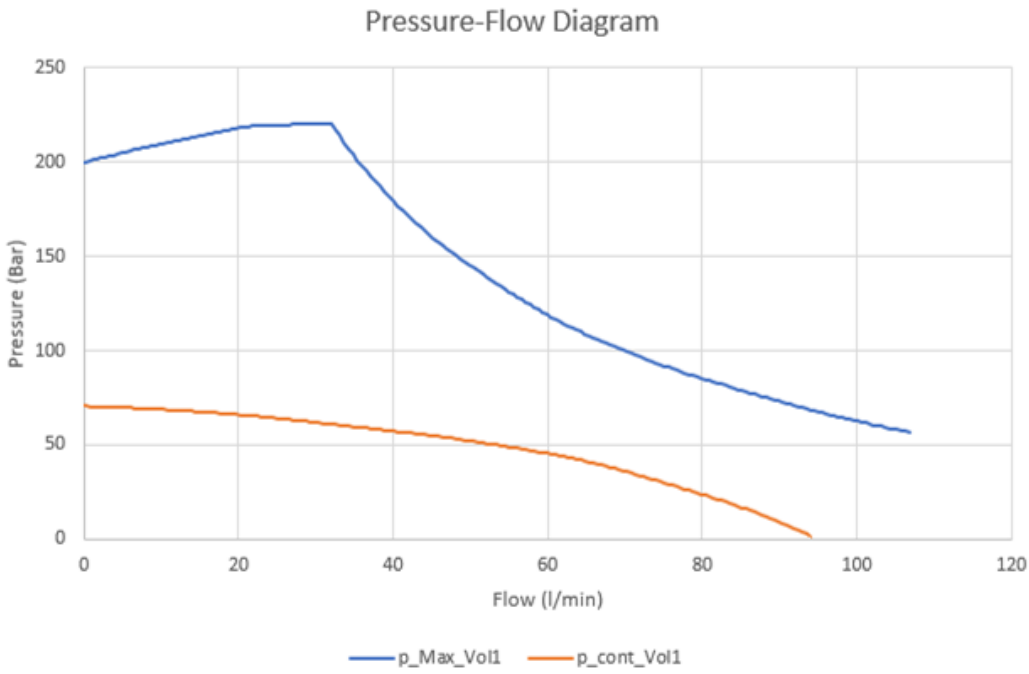
SPP—07E—F—54—F28—P—NNNN

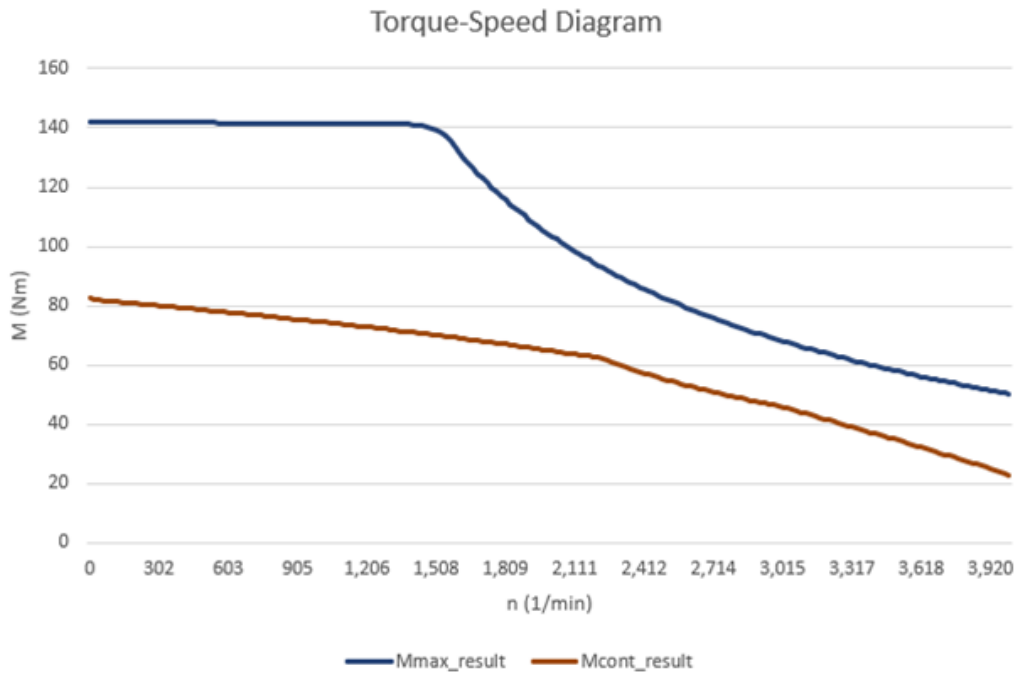
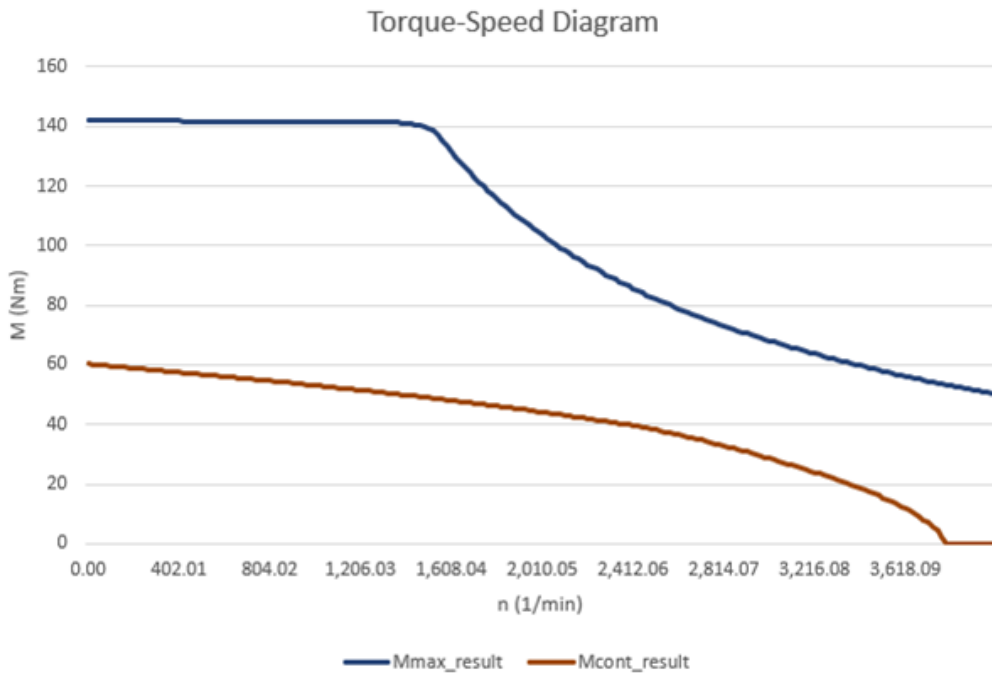
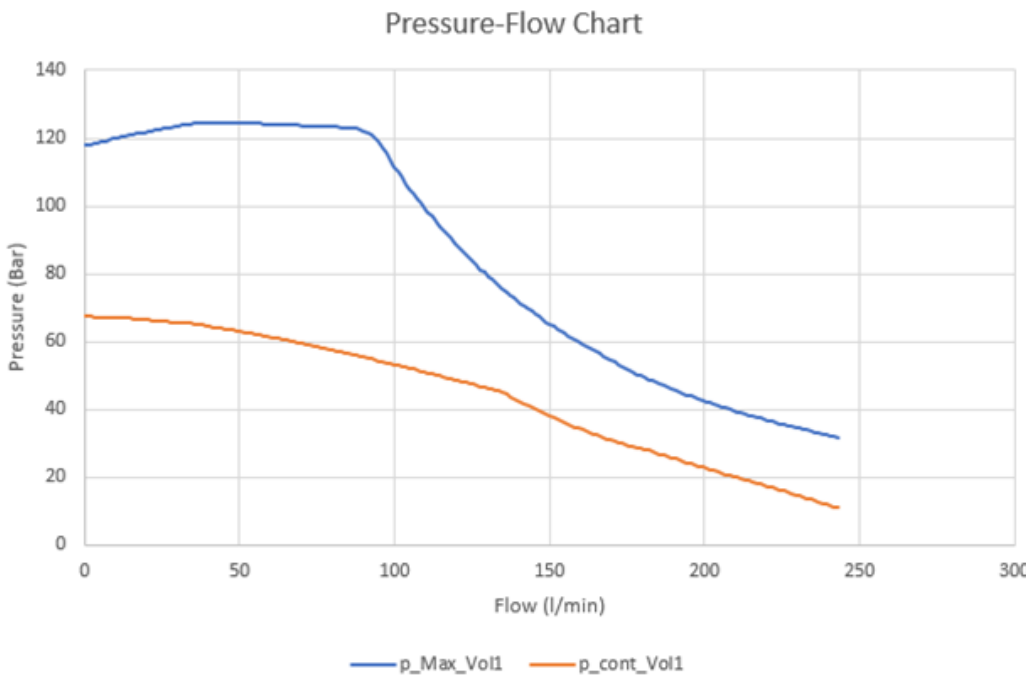
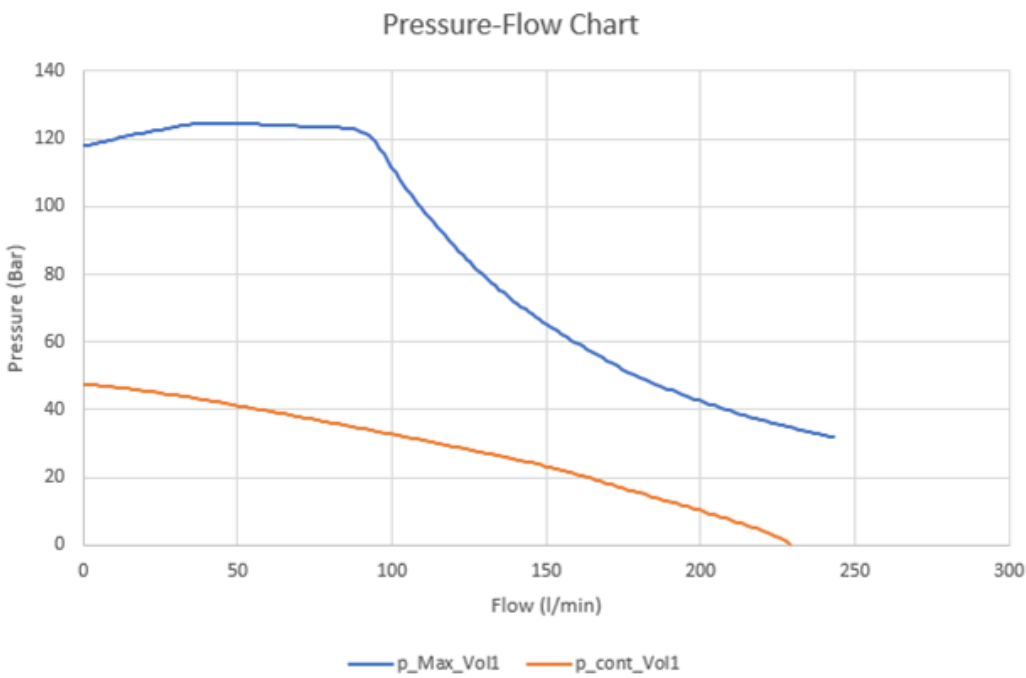
Servo PowerPack

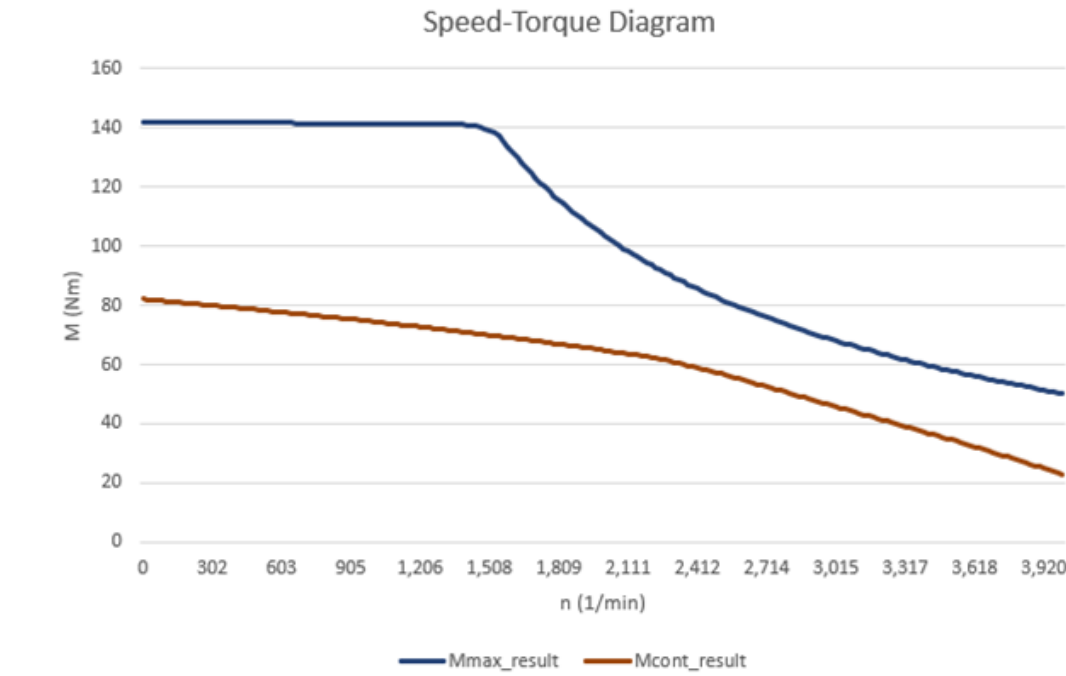
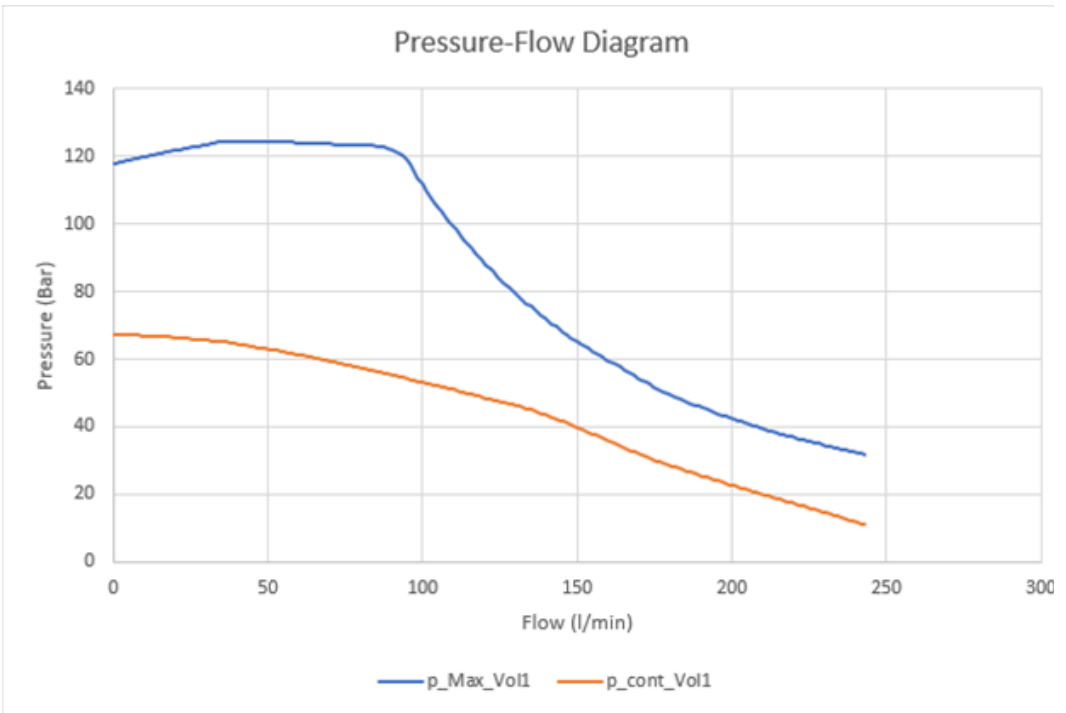
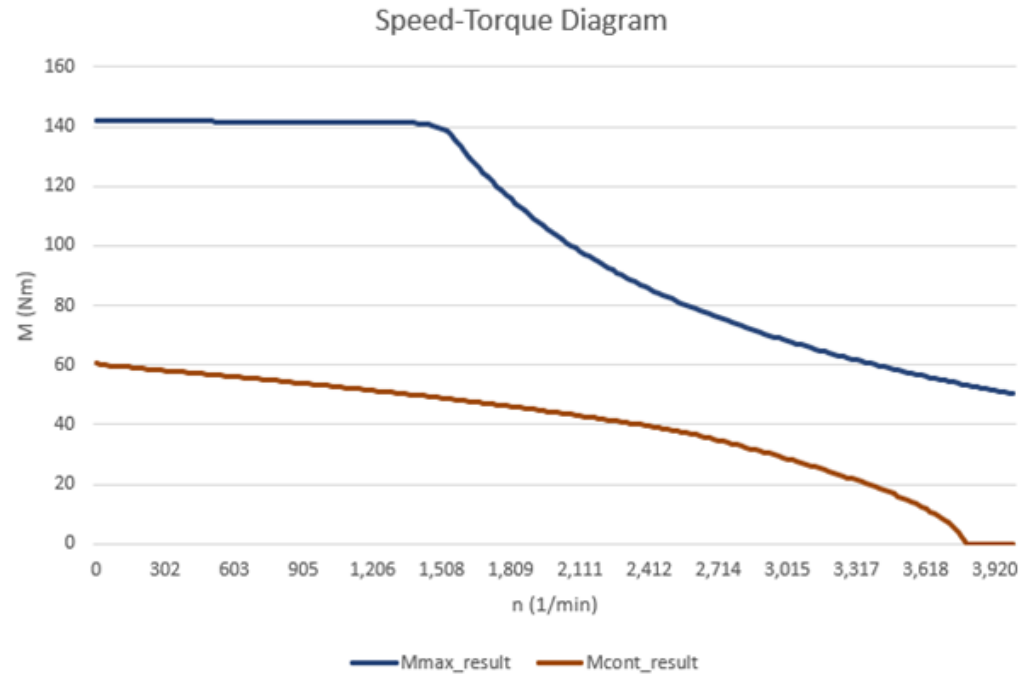
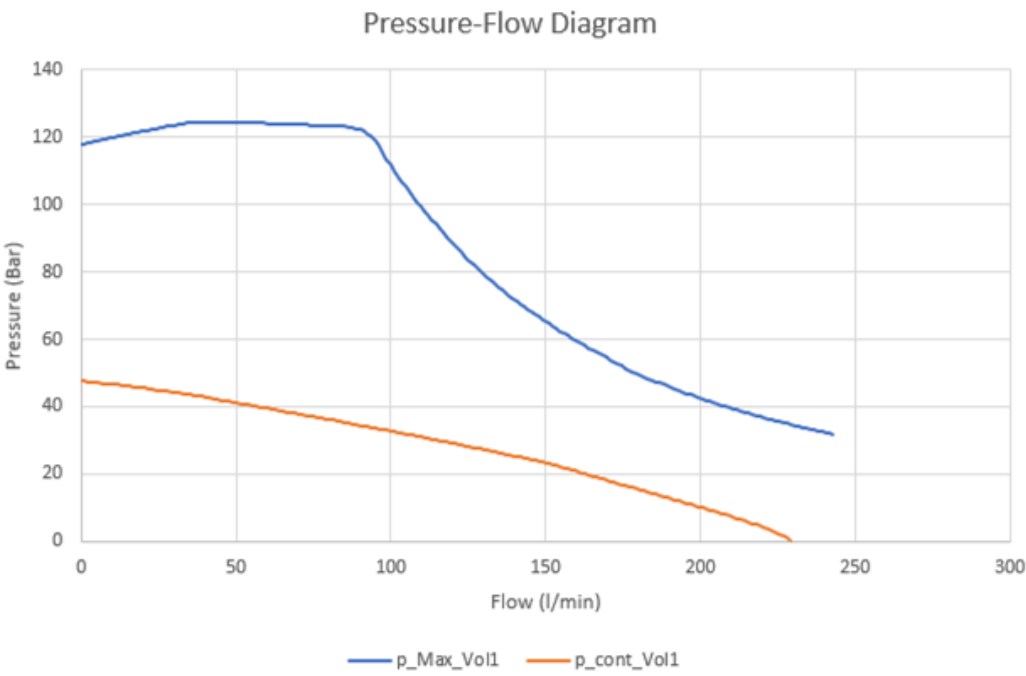
- MS2N07E Servo Motor
 - Fan mounted on motor
 - 54 Amp Drive size
- Fixed Displacement Bi Directional Pump
 - 28cc Pump Size
 - Position Control with Pressure Control













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