

Rev. A, July 2024

HIGH PERFORMANCE, TWO-STAGE DESIGNS IN A VARIETY OF SIZES AND CONFIGURATIONS TO MEET YOUR EXACT APPLICATION NEEDS

ABOUT MOOG

Moog Inc. is a worldwide designer, manufacturer and integrator of precision control components and systems. Moog's Industrial Group designs and manufactures high performance motion control solutions combining electric, hydraulic, and hybrid technologies with expert consultative support in a range of applications including energy production and generation machinery, industrial production machinery and simulation and test equipment. We help performance-driven companies design and develop their next-generation machines.

Moog maintains facilities in 40 countries around the globe. This vast scope ensures that our engineers remain close to the needs of machine builders and provide flexible design solutions and technical expertise tailored to our customers' toughest challenges.

Our experts work in close collaboration with machine builders and application engineers to design motion control systems for greater productivity, higher reliability, superior connectivity, less costly maintenance and more effective operations. Our regional presence, industry knowledge and design flexibility ensures Moog motion control solutions are tailored to their environment—from meeting operating regulations and performance standards, to taking machine performance to a higher level.

Servo and Proportional Valve Accessories

As part of our approach to providing world-class motion control products, Moog provides a wide variety of accessories that our customers may need for hydraulic valves. From valve checkers for troubleshooting to mounting manifolds for easy installation on machines, Moog's expertise involves helping you to get running quickly and easily.

Moog has a variety of accessories that are needed when applying, operating and troubleshooting Servovalves and Servo-Proportional Valve products. The specific accessories you may need for a particular model are listed in the relevant product catalogs and can be ordered through your local office.

Complementary Products for a Complete Solution

At the heart of every Moog solution is an array of products engineered for precision, high performance and reliability. For more than seven decades, Moog products have been specified for critical machine applications.

Some are developed specifically for unique operating environments. Others are standard equipment on machines across many industries. All are continuously improved to take advantage of the latest technology breakthroughs and advancements.

For a complete catalog of available products, visit www.Moog.com or contact your local office.

Additional Moog products include:





Radial Piston Pumps



Brushless Servo Motors



DIRECT OPERATED FLOW CONTROL VALVES FOR ANALOG SIGNALS

Product Family	Model											Max. Operating Pressure - bar (psi)	Single Coil Rated Signal -mA 100% Step Response - ms at 210 bar (3,000 psi) System Pressure									ure	Frequency Response at 40% Signal, 90° Phase Lag - Hz							Size (Mounting Pattern)		Approximate Envelope - cm (in)			t - Product Web Page							
				4 (1) 5 (1.3)	6.9 (1.8) 7.5 (2.0)	10 (2.5) 15.1(4)	30.2 (8)	60 (15)	66 (17.4)	95 (25)	145(38)	150 (40) 190 (50)	225 (60) 265 (70)	300 (78) 400 (100) 800 (200) 1000 (260)	raced Signal III/														75				230		Size 1: ISO 10372-01-01-0-92 Size 2: ISO 10372-03-03-0-92 Size 3: ISO 10372-03-03-0-92 (NGC Size 4: ISO 10372-04-04-0-92 Size 5: ISO 4401-05-05-0-94 (NG10 Size 6: ISO 10372-06-05-0-92	Width	Length	Height	Weight kg (lb)	, west age		
Small Package (Micro-Hydraulics)	-030															310 (4,500)	10, 20, 40																				Size 1	40.6 (1.6)	54.7 (1.5)	39.1 (1.5)	0.19 (0.41)	CLICK HERI
	-031															310 (4,500)	10, 20, 40																			-	Size 2	76.7 (3.0)	43.7 (1.7)	46.2 (1.8)	0.37 (0.82)	CLICK HERI
	-032															310 (4,500)	10, 20, 40																				Size 3	34.6 (1.4)	31.8 (1.3)	32.0 (1.3)	0.37 (0.82)	CLICK HERI
	E024															210 (3,000)	10											П									Moog Standard	77 (3.1)	135 (5.3)	127 (5.0)	0.09 (0.20)	CLICK HERI
Global Standard	G631 -631															210 (3,000) 310 (4,500) 350 (5,000)	30,100																				Size 5	93 (3.7)	94 (3.7)	74 (2.9)	2.2 (4.9)	CLICK HERI
	G761 -761															310 (4,500) 350 (5,000)	15, 40, 200											Т								9	Size 4	59.3 (2.3)	101 (4.0)	71 (2.8)	1.1 (2.4)	CLICK HERI
	G77X -77X															210 (3,000) 350 (5,000) for 772/773 only	8, 15, 20, 40, 200																				771: Size 2 772: Size 3 773: Moog Standard	128 (5.0)	170 (6.7)	118 (4.7)	0.86 (1.9)	CLICK HERI
High Pressure / High Flow	-072															210 (3,000); 275 (4,000) 350 (5,000); 480 (7,000)	8, 15, 40											Т								9	Size 6	79 (3.1)	146 (5.7)	102 (4.0)	3.5 (7.8)	CLICK HERI
Tilgil tow	-078										$\dagger \dagger$					210 (3,000)	8, 15, 40, 100																				Moog Standard	110 (4.3)	261 (10.3)	179 (7.0)	2.9 (6.3)	CLICK HERI
	-079- 100															210 (3,000) 310 (4,500) 350 (5,000)	15, 40		П									Т								-	Size 6	145 (5.7)	263 (10.4)	223 (8.8)	10.9 (24)	CLICK HERI
	-079- 200															210 (3,000) 310 (4,500) 350 (5,000)	15, 40																				Moog Standard	84 (3.3)	135 (5.3)	69 (2.7)	16.1 (35.5)	CLICK HERI
	-730															210 (3,000); 275 (4,000) 350 (5,000); 550 (8,000)	15, 40											Т								-	Size 4	58 (2.3)	133 (5.2)	81 (3.2)	1.0 (2.25)	CLICK HERI
Specialty Application	-743															210 (3,000)	16, 48																				-	58 (2.3)	133 (5.2)	81 (3.2)	1.54 (3.4)	CLICK HERI
	-744			\top												210 (3,000)	17, 34.5, 96																				-	121 (4.8)	225 (8.9)	167 (6.6)	8.38 (18.5)	CLICK HERI
The state of the s	-728															210 (3,000)	20, 40, 60																				-	148 (5.8)	238 (9.4)	179 (7.1)	20.4 (45)	CLICK HERI
Legacy	-760															210 (3,000)	8, 15, 40, 60, 200																				Size 4	96 (3.8)	97 (3.8)	72 (2.9)	0.52 (1.13)	CLICK HERI
	-062															210 (3,000)	30,100																				Size 4	81 (3.2)	125 (4.9)	116 (4.6)	1.22 (2.7)	CLICK HERI

TAKE A CLOSER LOOK

Moog designs a range of motion control products that complement the performance of those featured in this catalog. Visit our website for more information and contact the Moog facility nearest you.

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