

Valves, Flow Meters & Pressure Gauges

Valves, gauges and controls are needed to ensure liquid flows smoothly, is applied accurately, is effectively monitored and can be easily maintained.

We can help you specify check valves, ball valves, flow meters and pressure gauges from the wide selection that we offer.

We will consider on/off control, positive shut-off and nozzle changeover requirements when recommending system components.

Manual Ball Valves

Hypro offer a wide range of ball valves, both manual and electric, constructed from glass-reinforced polypropylene for strength, durability and excellent resistance to many industrial chemicals. All Hypro valves are "full-bore" providing minimum flow restriction and minimum pressure loss.

Economy Manual Ball Valve



Part Numbers		Threaded Connection	Maximum Pressure (Bar)
2-Way	3-Way		
56454132	56454232	½" BSP (F)	16
56454133	56454233	¾" BSP (F)	16
56454134	56454234	1" BSP (F)	16
56454135	56454235	1¼" BSP (F)	10
56454136	56454236	1½" BSP (F)	10
56454137	56454237	2" BSP (F)	10

Electrically Actuated Ball Valves

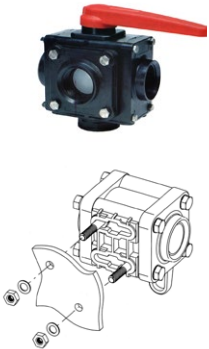
12V electrically actuated ball valves with other voltages available on request. ½", ¾", 1" & 1¼" threads in compact design. Optional stainless steel balls for ½", ¾", 1" & 1¼" sizes.



Part Numbers		Threaded Connection	Maximum Pressure (Bar)
2-Way	3-Way		
54CA2000	54CA3000	½" BSP (F)	20
54CA2001	54CA3001	¾" BSP (F)	20
54CA2002	54CA3002	1" BSP (F)	10
54CA2003	54CA3003	1¼" BSP (F)	10
543-04AE	543004AE	1½" BSP (F)	10
543-05AE	543005AE	2" BSP (F)	10

Heavy Duty Bolted Ball Valves

Patented fixing system. With EPDM O Rings (Viton on request), PTFE seals and stainless steel bolts. Stainless steel ball on request (standard on 5-way).



Part Numbers		Threaded Connection	Maximum Pressure (Bar)
2-Way	3-Way		
56453004A44	56453024A44	1" BSP (F)	16
56453004A55	56453024A55	1¼" BSP (F)	16
56453004A66	56453024A66	1½" BSP (F)	10
56453004A77	56453024A77	2" BSP (F)	10
56453004A88	56453024A88	2½" BSP (F)	8
56453004A99	56453024A99	3" BSP (F)	8

Part Numbers		Threaded Connection	Maximum Pressure (Bar)
5-Way			
56453257A77		2" BSP (F)	6
56453257A88		2½" BSP (F)	6

PVC Mini Ball Valves

Durable PVC body with Buna Seals. 2 and 3 way mini valves available with a range of threaded configurations ¼", ½", ¾", ¾" and 1". Maximum pressure 8.5 bar. Maximum temperature 50°C.



Part Numbers	Valve Type	Threaded Connexion
562362090	3 Way	¼" BSP (F x F x F) 45° handle
562363590	3 Way	¼" BSP (F x F x F)
562360090	3 Way	½" BSP (F x F x F)
563997890	2 Way	¼" BSP (M x F)
563992290	2 Way	¼" BSP (F x F)

Hypro's 12v electromagnetic flow meters measure the volume flow of electrically conductive liquids using a magnetic field. With no mechanical parts, these units are an accurate, robust and reliable way to determine flow, to 0.5% accuracy, Performance is not

affected by fluid density or viscosity. Working pressure is either 20 or 40 bar. Maximum power consumption is 300 mA. Available with threaded or flanged fitting, with or without an integral display.

Flanged Electromagnetic 12v Flow Meter (Orion)



Part Number	Flow L/min	Max Pressure (Bar)	Pulses/litre
464621AA1000	1-20	40	3000
464621AA3000	5-100	40	600
464621AA4000	10-200	40	300

Threaded Electromagnetic 12v Flow Meter (Orion)



Part Number	Size	Flow L/min	Max Pressure (Bar)	Pulses/litre
464621AA43434	1"	10-200	40	300
464622AA51616	1½"	20-400	20	150
464622AA61717	2"	30-600	20	100

Threaded Electromagnetic 12v Digital Flow Meter (Orion)



Part Number	Size	Flow L/min	Max Pressure (Bar)	Pulses/litre
464622BA51616	1½"	20-400	20	150
464622BA61717	2"	30-600	20	100

Connection Cables (Orion)

Required accessory

Part Number	Description
4621AA10000-100	3 metre for flanged/threaded versions
4622BA50000-100	3 metre for digital versions

Paddle Flow Meters (DigiWolf)

Digiwolf paddle flowmeters; low friction and high accuracy featuring programmable graphic display allowing threshold min/

max alarm. Connect with fork couplings in 1¼", 1½" and 2". Powered by 12V DC or 2 x AA batteries with auto switch-off.



Part Number	Coupling	Power option
4627707A	2" Forked	12V DC
464628707	2" Forked	2 x AA Battery

Pressure Gauges

Hypro pressure gauges are ideally suited for use with the relatively low viscosity fluids used for spray applications. Offered with ABS (IP40 rated) or stainless steel (IP65 rated) cases in 2½", 2" or 4" diameter and a choice of bottom or rear mounting with brass threads. These gauges feature high precision brass movements, white dials, black aluminium pointers and acrylic cases. Offered either dry or filled with 99.5% purity glycerine that are suited to situations where oscillating or surging pressures are being measured or where there is vibration. Pressure gauges are accurate to +/- 2% at operating temperatures of -20 °C to +60 °C. Scale is dual (Bar/PSI) except where indicated.

2½" (65mm) or 2" (51 mm) cases, ¼" BSP or NPT thread

ABS Plastic case



Part Number (¼" BSP thread)	Part Number (¼" NPT thread)	Pressure Range		Case Material	Connection Position	Fill Material
		Bar	PSI			
360-060S	SG60 (PSI scale)	0-4 bar	0-60 PSI	ABS Plastic	Bottom	Dry
360-100S	SG100 (PSI scale)	0-7 bar	0-100 PSI			
360-160S	SG160 (PSI scale)	0-11 bar	0-160 PSI			
36EB060S	SG602C (2" diameter)	0-4 bar	0-60 PSI	ABS Plastic	Back	Dry
36EB100S	SG1002C (2" diameter)	0-7 bar	0-100 PSI			
36EB160S	SG1602C (2" diameter)	0-11 bar	0-160 PSI			

Stainless Steel Case



Part Number (¼" BSP thread)	Part Number (¼" NPT thread)	Pressure Range		Case Material	Connection Position	Fill Material
		Bar	PSI			
360-060G	2640-0009	0-4 bar	0-60 PSI	304 Stainless Steel	Bottom	Glycerine
360-100G	2640-0010	0-7 bar	0-100 PSI			
360-160G	2640-0011	0-14 bar	0-160 PSI			
360-1000G	2640-0001	0-70 bar	0-1000 PSI			
360-1500G	2640-0002	0-103 bar	0-1500 PSI			
360-2000G	2640-0003	0-138 bar	0-2000 PSI			
G360-3000G	2640-0004	0-207 bar	0-3000 PSI			
36EB060G	WGG60C (PSI scale)	0-4 bar	0-60 PSI	304 Stainless Steel	Back	Glycerine
36EB100G	WGG100C (PSI scale)	0-7 bar	0-100 PSI			
36EB160G	WGG160C (PSI scale)	0-11 bar	0-160 PSI			
36EB1000G	WGG1000C (PSI scale)	0-70 bar	0-1000 PSI			
36EB1500G	WGG1500C (PSI scale)	0-103 bar	0-1500 PSI			
36EB2000G	WGG2000C (PSI scale)	0-138 bar	0-2000 PSI			
36EB3000G	WGG3000C (PSI scale)	0-207 bar	0-3000 PSI			

4" (10 mm) cases, ⅜" BSP or ¼" NPT thread



Part Number (⅜" BSP thread)	Part Number (¼" NPT thread)	Pressure Range		Case Material	Connection Position	Fill Material
		Bar	PSI			
364-100S	SG604 (PSI scale)	0-3 bar	0-60 PSI	ABS Plastic	Bottom	Dry
364-160S	SG1004 (PSI scale)	0-7 bar	0-100 PSI			
-	SG2004 (PSI scale)	-	0-200 PSI			

Part Number (⅜" BSP thread)	Part Number (¼" NPT thread)	Pressure Range		Case Material	Connection Position	Fill Material
		Bar	PSI			
364-100G	GG1004 (PSI scale)	0-7 bar	0-100 PSI	304 Stainless Steel	Bottom	Glycerine
364-160G	-	0-11 bar	0-160 PSI			
364-400GA	-	0-28 bar	0-400 PSI			
364B100G	-	0-7 bar	0-100 PSI			
364EB160G	-	0-11 bar	0-160 PSI			

Accessories



Part Number	Description
MF1814B	Reducing coupler ¼" FNPT x 1/8" MNPT
B310AB	¼" Gauge dampener