





SECTION 04:
VALVES

VALVES

ADVANCED FEATURES

PRESSURE REGULATION



FLOW CONTROL

Available on:
PGV, ICV, IBV

Maximise efficiency and prolong the life of a system by fine tuning flow and pressure for each zone.



RECLAIMED WATER IDENTIFICATION

Available on:
PGV, ICV, IBV

Purple tags and handles are an option for a clear, quick, and simple method of identifying the use of non-potable water.



ACCU-SYNC® PRESSURE REGULATION

Available on:
PGV, ICV, IBV

Avoid sprinkler over-pressure conditions and experience significant water savings with Hunter's Accu-Sync pressure regulator. This option is available in adjustable pressure or fixed pressure models.



FILTER SENTRY™

Available on:
ICV, IBV

Filter Sentry disk scours the filter clean twice during each valve cycle. Since it is attached to the diaphragm, the Filter Sentry feature can be easily added after a valve has been installed.

VALVES COMPARISON CHART

QUICK SPECS		1" PGV & JAR TOP	PGV	ICV	ICV FILTER SENTRY™	IBV FILTER SENTRY™
SIZE		1" BSP	1½", 2" BSP	1", 1½", 2", 3" BSP	1", 1½", 2", 3" BSP	1", 1½", 2", 3" BSP
FLOW	(m³/hr)	0.05-9.00	0.05-34.00	0.05-68.00	0.05-68.00	0.05-68.00
	(l/min)	0.7-150	0.7-570	0.4-1135	0.4-1135	0.4-1135
FEATURES						
CAPTIVE BONNET BOLTS		●	●	●	●	
EPDM DIAPHRAGM AND SEAT				Standard	Standard	Standard
WARRANTY		2 Years	2 Years	5 Years	5 Years	5 Years
ADVANCED FEATURES						
FLOW CONTROL		Optional	●	●	●	●
FILTER SENTRY™				User Installed	Factory Installed	Factory Installed
ACCU-SYNC® CAPABLE		●	●	●	●	●
RECLAIMED WATER ID HANDLE		User Installed	User Installed	User Installed	Factory Installed	
RECLAIMED WATER ID TAG				User Installed	Factory Installed	Factory Installed
APPLICATIONS						
RESIDENTIAL		●	●	●		
COMMERCIAL			●	●	●	●
POTABLE WATER		●	●	●	●	●
RECLAIMED WATER				●	●	●
SECONDARY WATER					●	●
PRESSURE REGULATION		●	●	●	●	●
HIGH PRESSURE SYSTEMS				●	●	●
LOW PRESSURE SYSTEMS		●	●	●	●	●
HIGH TEMPERATURE LOCATIONS				●	●	●

1" PGV & PGV JAR TOP

Inlet: 1" (25 mm)
Flow: 0.05 to 9 m³/hr; 0.7 to 150 l/min

FEATURES

- Size: 1" (25 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design for superior leak-free performance
- Durable glass-filled nylon threaded bonnet ring allows easy access without tools (Jar Top)
- Optional: DC latching solenoids enable Hunter's battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Low flow capability allows use of Hunter's micro-irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 2 years
- ▶ Flow control
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID

OPERATING SPECIFICATIONS

- Flow: 0.05 to 9 m³/hr; 0.7 to 150 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1,000 kPa

SOLENOID SPECIFICATIONS

- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

FACTORY INSTALLED OPTIONS

- Valve without solenoid
- DC latching solenoid

USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator*
- Reclaimed water ID handle for PGV-101 models (P/N 269205)

▶ = *Advanced Feature descriptions on page 82*

* Accu-Sync product information on page 94



PGV-100G
Inlet Diameter: 1" (25 mm)
Height: 13 cm
Length: 11 cm
Width: 6 cm



PGV-101G
Inlet Diameter: 1" (25 mm)
Height: 13 cm
Length: 11 cm
Width: 6 cm



PGV-100JT - G
Inlet Diameter: 1" (25 mm)
Height: 14 cm
Length: 11 cm
Width: 8 cm



PGV-101JT - G
Inlet Diameter: 1" (25 mm)
Height: 14 cm
Length: 11 cm
Width: 8 cm

PGV Jar Top



PGV 1" - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
PGV-100G = 1" (25 mm) Globe valve, without flow control PGV-101G = 1" (25 mm) Globe valve, with flow control PGV-100A = 1" (25 mm) Angle valve, without flow control PGV-101A = 1" (25 mm) Angle valve, with flow control PGV-100 = 1" (25 mm) Globe valve, without flow control PGV-101 = 1" (25 mm) Globe valve, with flow control	(blank) = NPT threads B = BSP threads MM = Male x male (NPT) MMB = Male x male (BSP)	(blank) = No Option DC = DC latching solenoid LS = Valve without solenoid	(blank) = No option R = Reclaimed water ID handle <i>(Except for PGV-100)</i> CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync® adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20* = 1.4 bar, 30* = 2.1 bar, 40* = 2.8 bar 50* = 3.5 bar, 70* = 4.8 bar

Example:
 PGV-101G - B - DC = 1" (25 mm) Globe valve, with flow control, BSP threads, and DC latching solenoid

PGV JAR TOP - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
PGV-100JT = 1" (25 mm) Globe jar top valve, without flow control PGV-101JT = 1" (25 mm) Globe jar top valve, with flow control	GB = BSP threads MM = Male x male (NPT) MMB = Male x male (BSP)	(blank) = No option LS = Less solenoid DC = DC latching solenoid	(blank) = No option R = Reclaimed water ID handle <i>(Except for PGV-100JT)</i> CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20* = 1.4 bar, 30* = 2.1 bar, 40* = 2.8 bar 50* = 3.5 bar, 70* = 4.8 bar

Examples:
 PGV-100JT - GB = 1" (25 mm) Globe jar top valve, without flow control, and BSP threads
 PGV-100JT - MMB = 1" (25 mm) Globe jar top valve, without flow control, and male BSP threads

PGV PRESSURE LOSS IN BAR	
Flow m ³ /hr	1"
0.3	0.1
1.0	0.1
2.5	0.1
3.5	0.1
4.5	0.2
5.5	0.3
6.5	0.4
8.0	0.8
9.0	1.0

PGV PRESSURE LOSS IN kPa	
Flow l/min	1"
4	8.2
20	9.7
40	13
55	11
75	22
95	31
115	62
135	112
150	139

PGV-100-G Installed



PGV

Inlet: **1½" (40 mm), 2" (50 mm)**
 Flow: **5 to 34 m³/hr; 75 to 570 l/min**

FEATURES

- Sizes: 1½" (40 mm), 2" (50 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design assures leak-free performance
- Optional: DC latching solenoids enable Hunter's battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 2 years
- ▶ Flow control
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID handle



PGV-151

Inlet Diameter: 1½" (40 mm)
 Height: 19 cm
 Length: 15 cm
 Width: 11 cm

PGV-201

Inlet Diameter: 2" (50 mm)
 Height: 20 cm
 Length: 17 cm
 Width: 13 cm

OPERATING SPECIFICATIONS

- Flow:
 - PGV-151: 5 to 27 m³/hr; 75 to 450 l/min
 - PGV-201: 5 to 34 m³/hr; 75 to 570 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1000 kPa

SOLENOID SPECIFICATIONS

- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

FACTORY INSTALLED OPTIONS

- Valve without solenoid
- DC latching solenoid

USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator
- Reclaimed water ID (P/N 607105)

▶ = *Advanced Feature descriptions on page 82*

PGV Installed



PGV 1.5" & 2" - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
<p>PGV-151 = 1½" (40 mm) Globe/angle valve, with flow control</p> <p>PGV-201 = 2" (50 mm) Globe/angle valve, with flow control</p>	<p>(blank) = NPT threads</p> <p>B = BSP threads</p>	<p>(blank) = No Option</p> <p>DC = DC latching solenoid</p> <p>LS = Valve w/o solenoid</p>	<p>(blank) = No option</p> <p>R = Reclaimed water ID handle</p> <p>CC = Solenoid conduit cover</p> <p>DC = DC latching solenoid</p> <p>AS-ADJ = Accu-Sync® adjustable pressure regulator</p> <p>AS-xx* = Accu-Sync pressure regulator</p> <p>20* = 1.4 bar, 30* = 2.1 bar</p> <p>40* = 2.8 bar, 50* = 3.5 bar</p> <p>70* = 4.8 bar</p>

Examples:

PGV-151 - B - AS-ADJ = 1½" (40 mm) Globe valve, with flow control, BSP threads, and Accu-Sync adjustable pressure regulator

Flow m³/hr	1" Globe	1" Angle	1½" Globe	1½" Angle	2" Globe	2" Angle
0.3	0.1	0.1				
1.0	0.1	0.1				
2.5	0.1	0.1				
3.5	0.2	0.1				
4.5	0.2	0.1	0.2	0.2	0.1	0.1
7.0	0.4	0.2	0.2	0.2	0.1	0.1
8.0			0.2	0.2	0.1	0.1
9.0			0.2	0.2	0.1	0.1
11.0			0.3	0.2	0.1	0.1
13.5			0.3	0.3	0.1	0.1
18.0			0.4	0.4	0.2	0.1
22.5			0.6	0.5	0.3	0.2
27.0			0.8	0.8	0.4	0.3
30.5					0.6	0.5
34.0					0.7	0.6

Flow l/min	1" Globe	1" Angle	1½" Globe	1½" Angle	2" Globe	2" Angle
4	8	7				
20	9.5	7				
40	13	7				
55	11	7				
75	22	14	20	22	4	9
95	31	16	20	21	5.5	9
115	43	21	21	21	7.5	9.5
135			22	21	9	10
150			25	23	12	11
200			27	24	14	12
325			47	41	26	19
400			65	59	33	24
500			96	92	43	32
625					56	45
775					74	64

ICV

Inlet: **1" (25 mm), 1½" (40 mm)**
2" (50 mm), 3" (80 mm)
 Flow: **0.06 to 68 m³/hr; 0.4 to 1,135 l/min**

FEATURES

- Inlet: 1" (25 mm), 1½" (40 mm), 2" (50 mm), 3" (80 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Glass-filled nylon construction resulting in the highest pressure rating
- Double-beaded diaphragm seal design assures leak-free performance
- Fabric-reinforced EPDM diaphragm and EPDM seat ensure greater performance in all conditions
- Optional: DC latching solenoids enable Hunter's battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Low flow capability allows use of Hunter's micro-irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 5 years
- ▶ Flow control
- ▶ Filter Sentry™
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID

OPERATING SPECIFICATIONS

- Flow:
 - ICV-101G: 0.06 to 9 m³/hr; 0.4 to 150 l/min
 - ICV-151G: 4 to 34 m³/hr; 75 to 568 l/min
 - ICV-201G: 9 to 45 m³/hr; 150 to 757 l/min
 - ICV-301: 34 to 68 m³/hr; 570 to 1,135 l/min
- Recommended pressure range: 1.5 to 15.0 bar; 150 to 1500 kPa

SOLENOID SPECIFICATIONS

- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

FACTORY INSTALLED OPTIONS

- DC latching solenoid
- Filter Sentry

USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator
- Reclaimed water ID handle for ICV101, 151, 201 (P/N 561205) and 301 (P/N 515005)
- Reclaimed water ID Tag for all ICV valves (P/N 700392) (Included on Filter Sentry Models)

▶ = *Advanced Feature descriptions on page 82*



ICV-101G
 Inlet Diameter: 1" (25 mm)
 Height: 14 cm
 Length: 12 cm
 Width: 10 cm



ICV-151G
 Inlet Diameter: 1½" (40 mm)
 Height: 18 cm
 Length: 17 cm
 Width: 14 cm



ICV-201G
 Inlet Diameter: 2" (50 mm)
 Height: 18 cm
 Length: 17 cm
 Width: 14 cm



ICV-301
 Inlet Diameter: 3" (80 mm)
 Height: 27 cm
 Length: 22 cm
 Width: 19 cm

ICV - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
ICV-101G = 1" (25 mm) Globe valve	(blank) = NPT threads	(blank) = No option FS = Filter Sentry™	(blank) = No option R = Reclaimed water ID handle
ICV-151G = 1½" (40 mm) Globe valve	B = BSP threads	DC = DC latching solenoid	CC = Solenoid conduit cover DC = DC latching solenoid
ICV-201G = 2" (50 mm) Globe valve			AS-ADJ = Accu-Sync® adjustable pressure regulator
ICV-301 = 3" (80 mm) Globe/Angle valve			AS-xx* = Accu-Sync pressure regulator 20* = 1.4 bar, 30* = 2.1 bar 40* = 2.8 bar, 50* = 3.5 bar 70* = 4.8 bar

Examples:

ICV-101G = 1" (25 mm) Globe valve, NPT threads

ICV-151G - FS - R = 1½" (40 mm) Globe valve, NPT threads, Filter Sentry, and reclaimed water ID handle

ICV-301B = 3" (80 mm) Globe/Angle valve, BSP threads

Flow m³/hr	1" Globe	1½" Globe	2" Globe	3" Globe	3" Angle
0.05	0.1				
0.1	0.1				
0.3	0.1				
1.0	0.2				
2.5	0.2				
3.5	0.2				
4.5	0.2	0.1			
7.0	0.4	0.1			
9.0	1.0	0.1	0.1		
11.0		0.2	0.1		
13.5		0.2	0.1		
17.0		0.3	0.1		
20.5		0.4	0.2		
23.0		0.5	0.3		
27.0		0.7	0.4		
30.5		0.9	0.5		
34.0		1.2	0.6	0.2	0.1
40.0			0.9	0.2	0.2
45.5			1.2	0.3	0.2
51.0				0.3	0.3
57.0				0.4	0.4
62.5				0.5	0.5
68.0				0.6	0.6

Flow l/min	1" Globe	1½" Globe	2" Globe	3" Globe	3" Angle
1	14				
2	14				
4	14				
20	17				
40	20				
60	20				
75	20	9.6			
115	62	10			
150	139	12	5.0		
190		15	7.0		
225		18	9.3		
280		26	14		
340		37	20		
380		46	26		
450		65	36		
510		84	47		
565		104	57	16	12
660			79	22	17
750			103	29	23
850				38	30
950				47	38
1,050				58	47
1,135				69	56

IBV

Inlet: **1" (25 mm), 1½" (40 mm)**
2" (50 mm), 3" (80 mm)
 Flow: **0.06 to 68 m³/hr; 0.4 to 1,135 l/min**

FEATURES

- Factory-installed Filter Sentry™ diaphragm
- External and internal manual bleed allows quick and easy “at the valve” activation
- Double-beaded diaphragm seal design assures leak-free performance
- Fabric-reinforced EPDM diaphragm and EPDM seat ensure superior performance in all conditions
- Optional DC latching solenoids enable Hunter’s battery-powered controllers
- Low flow capability allows use of Hunter’s micro irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 5 years
- ▶ Heavy-duty flow control
- ▶ Accu-Sync® pressure regulation

OPERATING SPECIFICATIONS

- Flow rate:
 - IBV-101G-FS: 0.06 to 9 m³/hr; 0.4 to 150 l/min
 - IBV-151G-FS: 4 to 34 m³/hr; 75 to 568 l/min
 - IBV-201G-FS: 9 to 45 m³/hr; 150 to 757 l/min
 - IBV-301G-FS: 34 to 68 m³/hr; 570 to 1,135 l/min
- Recommended pressure range: 1.5 to 15 bar; 150 to 1500 kPa

SOLENOID SPECIFICATIONS

- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

FACTORY INSTALLED OPTIONS

- DC latching solenoid

USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator
- Reclaimed water ID tag (P/N 700392)
- ▶ = *Advanced Feature descriptions on page 82*



IBV-101G-FS
 Inlet Diameter: 1" (25 mm)
 Height: 11.5 cm
 Length: 9 cm
 Width: 13 cm



IBV-151G-FS
 Inlet Diameter: 1½" (40 mm)
 Height: 16 cm
 Length: 13 cm
 Width: 16 cm



IBV-201G-FS
 Inlet Diameter: 2" (50 mm)
 Height: 15 cm
 Length: 13 cm
 Width: 17 cm



IBV-301G-FS
 Inlet Diameter: 3" (80 mm)
 Height: 24 cm
 Length: 23 cm
 Width: 18 cm

Filter Sentry



IBV – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
IBV-101G-FS = 1" (25 mm) Globe valve IBV-151G-FS = 1½" (40 mm) Globe valve IBV-201G-FS = 2" (50 mm) Globe valve IBV-301G-FS = 3" (80 mm) Globe/Angle valve	B = BSP threads	(blank) = No option DC = DC latching solenoid	(blank) = No option R = Reclaimed water ID tag CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync® adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20 * = 1.4 bar, 30 * = 2.1 bar 40 * = 2.8 bar, 50 * = 3.5 bar 70 * = 4.8 bar

Examples:

IBV-151G - B - FS - R = 1½" (40 mm) Globe valve, BSP threads, Filter Sentry, and reclaimed water ID tag
IBV-201G - B - FS = 2" (50 mm) Globe valve, BSP threads, Filter Sentry

IBV PRESSURE LOSS IN BAR				
Flow m³/hr	1" Globe	1½" Globe	2" Globe	3" Globe
0.05	0.1			
0.1	0.1			
0.3	0.1			
1.0	0.2			
2.5	0.2			
3.5	0.2			
4.5	0.2	0.1		
7.0	0.4	0.1		
9.0	1.0	0.1	0.1	
11.0		0.2	0.1	
13.5		0.2	0.1	
17.0		0.3	0.2	
20.5		0.4	0.2	
23.0		0.5	0.3	
27.0		0.7	0.4	
30.5		0.9	0.5	
34.0			0.6	0.2
40.0				0.2
45.5				0.3
51.0				0.3
57.0				0.4
62.5				0.5
68.0				0.6

IBV PRESSURE LOSS IN kPa				
Flow l/min	1" Globe	1½" Globe	2" Globe	3" Globe
0.1	14			
0.5	14			
4	14			
20	17			
40	20			
60	20			
75	20	9.6		
115	62	10		
150	139	12	5	
190		15	7	
225		18	9.3	
280		26	14	
340		37	20	
380		46	26	
450		65	36	
510		84	47	
565			57	16
660				22
750				29
850				38
950				47
1,050				58
1,135				69

QUICK COUPLERS

Size: ¾" (20 mm), 1" (25 mm)
Pressure Rating: 10 bar; 1,000 kPa

FEATURES

- 100% interchangeable with major brands*
- Red brass and stainless steel construction
- TuffTop™ thermoplastic locking and non-locking covers
- Optional WingThing™ stabilisation and ACME key connection
- Stainless steel lug on 1" (25 mm) and 1¼" (32 mm) keys
- Spring-loaded covers with stainless steel springs for positive closing and protection of valve's sealing components
- Warranty period: 5 years

* HQ compatibility information on page 195



Quick Couplers



Reclaimed Water Option

All locking models have an optional purple TuffTop™ cover for sites using reclaimed water.

HQ PRESSURE LOSS IN BAR					HQ PRESSURE LOSS IN kPa				
Flow m ³ /hr	HQ-3	HQ-33	HQ-44	HQ-5	Flow l/min	HQ-3	HQ-33	HQ-44	HQ-5
1	0.06	0.07			18.9	5.5	6.9		
2.3	1.12	0.14			37.9	12.4	13.8		
3.4	0.28	0.30	0.15		56.8	28.3	29.6	15.2	
4.5	0.50	0.52	0.30	0.07	75.7	49.6	52.4	30.3	6.9
6.8			0.79	0.21	113.6			79.3	20.7
9.1				0.43	151.4				43.4
11.4				0.63	189.3				63.4
13.6				0.90	227.1				89.6
15.9				1.37	265.0				136.5

QUICK COUPLER, KEY AND HOSE SWIVEL CHARTS							
Model	Inlet Threads	Slots	Body	Colour*	Locking	Key	Swivels
HQ-3RC	¾"	2	1 - Piece	Yellow	No	HK-33	HS-0
HQ-33DRC	¾"	2	2 - Piece	Yellow	No	HK-33	HS-0
HQ-33DLRC	¾"	2	2 - Piece	Yellow	Yes	HK-33	HS-0
HQ-44RC	1" (25 mm) NPT	1	2 - Piece	Yellow	No	HK-44	HS-1 or HS-2
HQ-44LRC	1" (25 mm) NPT	1	2 - Piece	Yellow	Yes	HK-44	HS-1 or HS-2
HQ-44RC-AW	1" (25 mm) NPT	ACME	2 - Piece Wing**	Yellow	No	HK-44A	HS-1 or HS-2
HQ-44LRC-AW	1" (25 mm) NPT	ACME	2 - Piece Wing**	Yellow	Yes	HK-44A	HS-1 or HS-2
HQ-5RC	1" (25 mm) NPT	2	1 - Piece	Yellow	No	HK-55	HS-1 or HS-2
HQ-5LRC	1" (25 mm) NPT	2	1 - Piece	Yellow	Yes	HK-55	HS-1 or HS-2

Notes:

* All locking cover models are available with purple covers for reclaimed water applications

** Anti-rotation stabilisation wings

HQ QUICK COUPLER - SPECIFICATION BUILDER: ORDER 1 + 2 + 3

1 Model	2 Cover Options	3 Additional Options
<p>HQ3 = ¾" Inlet, 1-piece body, 2 slots</p> <p>HQ5 = 1" (25 mm) Inlet, 1-piece body, 2 slots</p> <p>HQ33D = ¾" Inlet, 2-piece body, 2 slots</p> <p>HQ44 = 1" (25 mm) Inlet, 2-piece body, 1 slot or ACME</p>	<p>RC = Yellow rubber cover</p> <p>LRC = Yellow locking rubber cover (Not available for HQ3 body)</p>	<p>(blank) = No option</p> <p>AW = ACME key with anti-rotation wings (Only available for HQ44 body)</p> <p>BSP = BSP threads (Only available for HQ5 body)</p> <p>R = Purple locking cover (reclaimed water ID; only available for LRC models)</p>

Examples:

- HQ3 - RC = HQ3 valve with rubber cover
- HQ44 - LRC = HQ44 valve with locking rubber cover
- HQ44 - LRC - R = HQ44 valve with locking rubber cover and purple locking cover
- HQ44 - LRC - AW - R = HQ valve, with locking rubber cover, ACME key socket, anti-rotation wings and purple locking cover
- HQ5 - LRC - BSP = HQ5 valve with locking rubber cover and BSP threads

HK KEYS

Key Model	Compatible Valve	Compatible Swivel
HK33 = ¾" valve, ¾" key inlet	HQ3, HQ33	HS0
HK44 = 1" (25 mm) valve, 1" (25 mm) key inlet	HQ44	HS1, HS2, HS1B, HS2B
HK44A = 1" (25 mm) valve, ACME key inlet	HQ44AW	HS1, HS2, HS1B, HS2B
HK55 = 1" (25 mm) valve, 1¼" (32 mm) key inlet	HQ5	HS1, HS2, HS1B, HS2B

HS HOSE SWIVELS

Hose Swivel	Compatible Key
HS0 = ¾" inlet, ¾" hose outlet	HK33
HS1 = 1" (25 mm) inlet, ¾" hose outlet	HK44, HK44A, HK55
HS2 = 1" (25 mm) inlet, 1" (25 mm) hose outlet	HK44, HK44A, HK55
HS1B = 1" (25 mm) inlet, ¾" BSP outlet	HK44, HK44A, HK55
HS2B = 1" (25 mm) inlet, 1" (25 mm) BSP outlet	HK44, HK44A, HK55



① HQ5LRC Quick Coupler with HSJ-1 SnapLok™ equipped swing joint

Introducing Hunter's new full line of HSJ heavy-duty swing joints with configurations for every need and every project. There is even a version specifically designed for quick coupler applications. The SnapLok outlet on HSJ-1 models is equipped with accommodations for both rebar and pipe stabilisation, as well as heavy-duty brass outlet threads with a unique anti-rotation locking feature.

See the HSJ swing joints on page 177

ACCU-SYNC®

Type: **Pressure Regulator**

OPERATING SPECIFICATIONS

- Regulation from 1.4 to 7.0 bar; 140 to 700 kPa
- Static pressure: 10 bar; 1,000 kPa
- Required dynamic pressure differential: 1.0 bar; 100 kPa
- Works with AC and DC latching solenoids
- Works with any Hunter valve

ACCU-SYNC VALVE RECOMMENDED FLOW RANGE

Valve	Flow	
	m ³ /hr	l/min
PGV-100/101	1.2 - 6.8	19 - 114
PGV-151	4.5 - 28	75 - 454
PGV-201	9.0 - 34	150 - 750
ICV-101	1.2 - 9.0	19 - 150
ICV-151	4.5 - 31	75 - 510
ICV-201	9.0 - 34	150 - 560
ICV-301	34 - 68	565 - 1135
IBV-101	1.2 - 9.0	19 - 150
IBV-151	4.5 - 31	75 - 510
IBV-201	9.0 - 46	150 - 560
IBV-301	34 - 68	565 - 1135

ACCU-SYNC APPLICATIONS

● Adjustable 1.4 to 7.0 bar	For full customisation, the adjustable Accu-Sync can regulate pressure from 1.4 to 7.0 bar; 140 to 700 kPa
● Fixed 1.4 bar	Ideal for point source micro irrigation systems, pressure regulated to 1.4 bar; 140 kPa
● Fixed 2.1 bar	Ideal for spray systems, pressure regulated to 2.1 bar; 210 kPa
● Fixed 2.8 bar	Ideal for Hunter's MP Rotator and large in-line drip systems, pressure regulated to 2.8 bar; 280 kPa
● Fixed 3.5 bar	Ideal for mid-range rotors, pressure regulated to 3.5 bar; 350 kPa
● Fixed 4.8 bar	Ideal for larger rotors, pressure regulated to 4.8 bar; 480 kPa

ADJUSTABLE



AS-ADJ

Height with solenoid: 8 cm

FIXED



AS-20

Height with solenoid: 8 cm



AS-30

Height with solenoid: 8 cm



AS-40

Height with solenoid: 8 cm



AS-50

Height with solenoid: 8 cm



AS-70

Height with solenoid: 8 cm



Installation

Accu-Sync shown installed on ICV and PGV valves.



HUNTER VALVES

Built to Thrive Under Pressure

From residential to commercial, high pressure to low pressure, clean water to dirty water, Hunter valves keep your system running flawlessly day in and day out.

RELIABLE:

- Fewer parts means greater longevity and simple operation
- AC and DC models for flexibility
- Residential models handle up to 10 bar; 1,000 kPa
- Commercial models handle up to 15 bar; 1,500 kPa

SIMPLE PRESSURE REGULATION:

- Regulating at the valve greatly enhances efficiency
- Accu-Sync® provides simple regulation from 1.4 to 7.0 bar; 140 to 700 kPa