

VALVES & FITTINGS



CATALOGUE 2024

 Represents Quality and Reliable Products

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The data given in this leaflet are offered in good faith. We reserve the right to carry out any modification.





15 S/S

Stainless Steel Flexible Hose with Hexagonal Nut

Body: **Stainless Steel**
 Material: Brass Nut
 Nut Size: $\frac{1}{2}$ " F x $\frac{1}{2}$ " F
 Specification Standard: AS/NZS & SS Standards
 Max. Temp.: 60°C

	10"	12"	14"	16"	18"	24"
H (cm) Ø	25	30	35	40	45	60



PSB Singapore

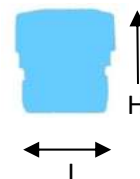


CFR-I

Constant Flow Regulator – In-Line

Body: **Gunmetal & Brass**
 Flow Limiter: **Polymer/NBR**
 Size: $\frac{1}{2}$ " M x $\frac{1}{2}$ " F
 Usage: 2, 4, 6, 8 & 12 litre/per minute
 Specification Standard: BS & SS Standards
 Max. Temp. /Pressure: 90°C / 16 Bar

	$\frac{1}{2}$ "
L (mm)	23
H (mm)	24



PSB Singapore

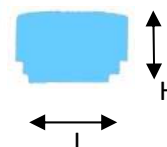


CFR-T

Constant Flow Regulator – Terminal

Body: **Gunmetal & Brass**
 Flow Limiter: **Polymer/NBR**
 Size: M24 x 1, M22 x 1
 Usage: 2, 4, 6, 8 & 12 litre/per minute
 Specification Standard: BS & SS Standards
 Max. Temp. /Pressure: 90°C / 16 Bar

	$\frac{1}{2}$ " (12 L only)	$\frac{1}{2}$ "
L (mm)	24	26
H (mm)	15	15



PSB Singapore

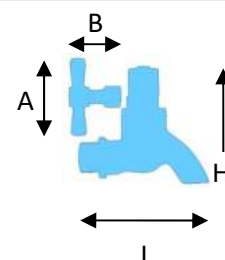


33-8-T

Garden Tap with Detachable 'T' Handle

Body: **Brass (Chrome-Plated)**
 Handle: Detachable 'T'
 Specification Standard: SS Standards
 Max. Temp.: 90°C

	$\frac{1}{2}$ "
L (mm)	86
H (mm)	78
A (mm)	50
B (mm)	38



PSB Singapore

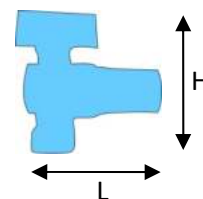


3

Angle Ball Valve - MXM

Body: **Brass**
 Seal Seat: **PTFE**
 Lever: Metal/ Plastic Nickel Plated
 Specification Standard: BS1010, SS75
 Working Pressure: 16 Bar
 Max. Temperature: 90°C

	½"
L (mm)	67
H (mm)	62



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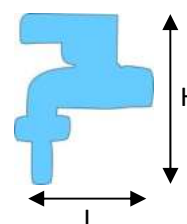


13

Hose Union Ball Bibcock with Short Lever

Body: **Nickel Plated Brass**
 Seal Seat: PTFE
 Lever: Metal/ Plastic
 Specification Standard: BS & SS Standards
 Working Pressure: 20 Bar
 Max. Temperature: 100°C Water

	½"
L (mm)	72
H (mm)	80



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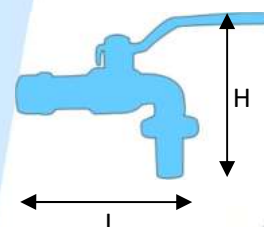


13L

Hose Union Ball Bibcock with Lever

Body: **Nickel Plated Brass**
 Seal Seat: PTFE
 Lever: Metal
 Specification Standard: BS & SS Standards
 Working Pressure: 20 Bar
 Max. Temperature: 100°C Water

	½"
L (mm)	130
H (mm)	82



PSB Singapore

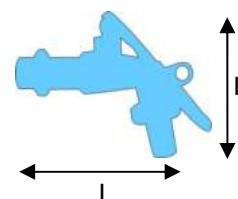


13LL

Hose Union Ball Bibcock with Lockable Lever

Body: **Nickel Plated Brass**
 Seal Seat: PTFE
 Lever: Metal
 Specification Standard: BS & SS Standards
 Working Pressure: 20 Bar
 Max. Temperature: 100°C Water

	½"
L (mm)	140
H (mm)	85



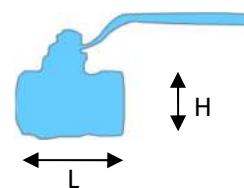
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PN30 Full Bore Ball Valve FXF with Lever



11

Body: **Brass**
Cap: **Brass**
Thread: BSP Thread. Other on request.
Application: Water, Gas, Oil, Air, Steam etc.
Specification Standard: BS1010, BS1552, SS75
Working Pressure: PN25 (365 PSI W.O.G)
Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
L (mm)	48	52	60	72	80	95	126	150	76
H (mm)	15	20	25	32	40	50	63	80	100

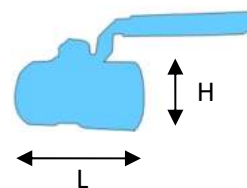


Reduce Ball Valve FXF with Lever



11SSR

Body: **Stainless Steel 316**
Cap: **Stainless Steel**
Thread: BSPT, NPT, other on request.
Application: Water, Gas, Oil, Air, Steam etc.
Specification Standard: BS1010, SS75
Working Pressure: 800 psi W.O.G
Max. Temperature: 90°C



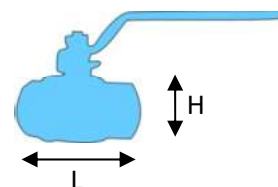
	½"	¾"	1"	1¼"	1½"	2"
L (mm)	57	60	71	78	83	100
H (mm)	15	20	25	32	40	50

Full Bore Ball Valve FXF with Lever



11SS

Body: **Stainless Steel 316**
Cap: **Stainless Steel**
Thread: BSPT, NPT, other on request.
Application: Water, Gas, Oil, Air, Steam etc.
Specification Standard: BS & SS Standards
Working Pressure: 1000 psi W.O.G
Max. Temperature: 90°C



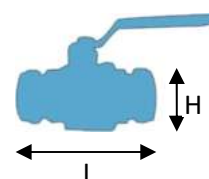
	½"	¾"	1"	1¼"	1½"	2"	3"
L (mm)	64	75	87	100	108	134	185
H (mm)	15	20	25	32	40	50	76

PN40 Full Bore Ball Valve CXC with Lever



17

Body: **Bronze/DZR**
Cap: **Bronze/DZR**
Thread: BSP Thread. Other on request.
Application: Water, Gas, Oil, Air, Steam etc.
Specification Standard: BS & SS Standards
Working Pressure: PN40 (600 psi W.O.G)
Max. Temperature: 90°C



	1½"
L (mm)	131
H (mm)	116



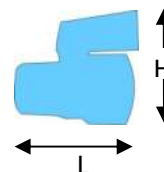


15DZR

Mini Ball Valve FXM with Chrome Handle

Body: **DZR CW602N**
 Seal Seat: **PTFE**
 Specification Standard: **BS & SS Standards**
 Working Pressure: **20 Bar**
 Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	43	51	62
H (mm)	45	46	55



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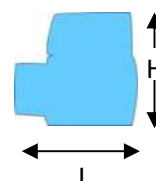


15CR

Mini Ball Valve CR CP FXM with Chrome Handle

Body: **DZR CW602N**
 Seal Seat: **PTFE**
 Specification Standard: **BS & SS Standards**
 Working Pressure: **20 Bar**
 Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	43	51	62
H (mm)	42	46	55



PSB Singapore



80S

PN10 PVC Standard Ball Valve - Socket/Union End

Body: **PVC**
 Cap: **PVC**
 Thread: **BSP Thread. Other on request.**
 Application: **Water**
 Working Pressure: **PN10 (150 PSI)**
 Max. Temperature: **60°C**

	½"	¾"	1"	1 ¼"	1 ½"	2"
L (mm)	76	83	110	119	141	160
H (mm)	61	74	92	104	114	134



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80S

PN10 PVC Assembly Ball Valve - Socket

Body: **PVC**
 Cap: **PVC**
 Thread: **BSP Thread. Other on request.**
 Application: **Water**
 Working Pressure: **PN10 (150 PSI)**
 Max. Temperature: **60°C**

Sizes	2 ½"	3"	4"	6"
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PSB Singapore

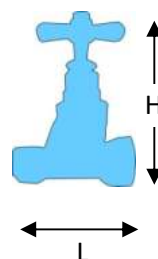


360GM

Stopcock FXF, BSP Thread

Body: **Gunmetal**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Packing Nut: **Brass**
 Handle: **'T' or Hand Wheel**
 Specification Standard: **BS & SS Standards**
 Max. Temperature: **90°C**

	½"	¾"	1"
L (mm)	70	86	105
H (mm)	105	127	145



PSB Singapore

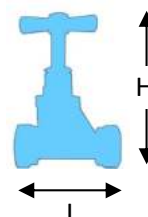


360DZR

Stopcock FXF, BSP Thread

Body: **DZR Brass CW602N**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Working Pressure: **0.5 – 20 Bar**
 Specification Standard: **BS & SS Standards**
 Max. Temperature: **90°C**

	½"	¾"
L (mm)	70	78
H (mm)	100	110



PSB Singapore

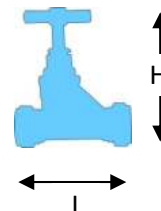


361DZR

Stopcock Compression End (CE) x CE, BSP Thread

Body: **DZR Brass CW602N**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Working Pressure: **0.5 – 20 Bar.**
 Specification Standard: **BS & SS Standards**
 Max. Temperature: **90°C**

	½" (15mm)	¾" (22mm)
L (mm)	78	90
H (mm)	100	110



PSB Singapore

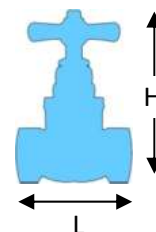


364GM

Stopcock FXF, BSP Thread

Body: **Gunmetal**
 Stem: **Brass**
 Thread: **BSP Thread.**
 Working Pressure: **0.5 – 20 Bar.**
 Specification Standard: **BS & SS Standards**
 Max. Temperature: **90°C**

	¾"	1"	1¼"
L (mm)	68	90	105
H (mm)	115	150	160



PSB Singapore

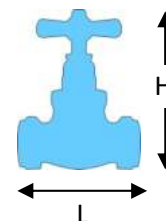


365GM

Stopcock Compression End (CE) x CE, BSP Thread

Body: **Gunmetal**
Stem: **Brass**
Thread: **BSP Thread.**
Working Pressure: 0.5 – 20 Bar.
Specification Standard: BS & SS Standards
Max. Temperature: 90°C

	¾"	1"	1 ¼"
	(22mm)	(28mm)	(35mm)
L (mm)	87	102	120
H (mm)	115	150	160



PSB Singapore

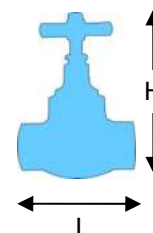


366GM

Stopcock CXC Soldering Ends (MBL), BSP Thread

Body: **Gunmetal**
Stem: **Brass**
Thread: **BSP Thread.**
Working Pressure: 0.5 – 20 Bar.
Specification Standard: BS & SS Standards
Max. Temperature: 90°C

	½"	¾"	1"	1 ¼"
L (mm)	70	74	92	100
H (mm)	105	110	140	155



PSB Singapore



371GM

Stopcock FXCE, BSP Thread

Body: **Gunmetal**
Stem: **Brass**
Thread: **BSP Thread.**
Working Pressure: 0.5 – 20 Bar.
Specification Standard: BS & SS Standards
Max. Temperature: 90°C

	½"	¾"
L (mm)	72	75
H (mm)	115	115



PSB Singapore



373GM

Stopcock MBL x F, BSP Thread

Body: **Gunmetal**
Stem: **Brass**
Washer: **NBR Rubber**
Packing Nut: **Brass**
Specification Standard: BS & SS Standards
Max. Temperature: 90°C

	½"
L (mm)	70
H (mm)	107

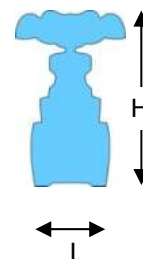


PSB Singapore


35M

Gate Valve FXF to BS 5154

Body: **Bronze**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Packing Nut: **Brass**
 Handle: **Hand Wheel**
 Specification Standard: **BS Standards**
 Max. Temperature: **90°C**



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	40	44	46	50	55	58
H (mm)	82	93	100	116	136	162

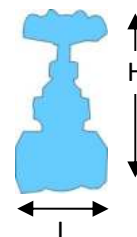


PSB Singapore


35

Gate Valve FXF to BS 5154

Body: **Bronze**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Packing Nut: **Brass**
 Handle: **Hand Wheel**
 Specification Standard: **BS Standards**
 Max. Temperature: **90°C**



	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
L (mm)	44	49	55	60	61	69	88	97	119
H (mm)	73	85	97	112	127	146	189	221	263

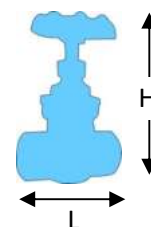


PSB Singapore


36

Gate Valve CXC Soldering Ends (MBL) to BS 5154

Body: **Bronze**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Packing Nut: **Brass**
 Handle: **Hand Wheel**
 Specification Standard: **BS Standards**
 Max. Temperature: **90°C**



	½" (15mm)	¾" (22mm)	1" (28mm)	1¼" (35mm)	1½" (42mm)	2" (54mm)
L (mm)	52	63	72	78	86	107
H (mm)	73	84	98	112	128	146

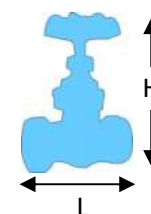


PSB Singapore


37

Gate Valve CXC Compression Ends to BS 5154

Body: **Bronze**
 Stem: **Brass**
 Washer: **NBR Rubber**
 Packing Nut: **Brass**
 Handle: **Hand Wheel**
 Specification Standard: **BS Standards**
 Max. Temperature: **90°C**



	½" (15mm)	¾" (22mm)	1" (28mm)	1¼" (35mm)	1½" (42mm)	2" (54mm)
L (mm)	64	75	87	100	107	117
(mm)	73	84	98	112	128	146



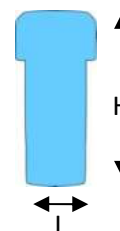
PSB Singapore


39GM

Horizontal/Vertical Dual-Check Spring-Loaded Non-Return Valve FXM

Body: **Bronze**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C

	½"	¾"	1"
L (mm)	30	37	45
H (mm)	58	72	88



PSB Singapore


39MM

Horizontal/Vertical Dual-Check Spring-Loaded Non-Return Valve MXM

Body: **CR Brass**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS Standards
 Working Pressure: 0.1 bar up to 16 bar
 Max. Temperature: 90°C

	¾"
L (mm)	30
H (mm)	63



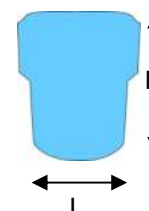
PSB Singapore


46GM

Horizontal/Vertical Spring-Loaded Non-Return Valve FXM

Body: **Bronze**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C

	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	64	76
H (mm)	36	39	51	62	70	72



PSB Singapore


46B

Horizontal/Vertical Spring-Loaded Non-Return Valve FXM

Body: **Brass**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C

	½"	¾"	1"
L (mm)	30	35	45
H (mm)	36	39	51



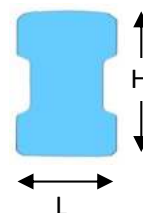
PSB Singapore



46FF

Horizontal/Vertical Spring-Loaded Non-Return Valve FXF

Body: **Bronze/DZR**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	70	76
H (mm)	45	50	65	75	85	95



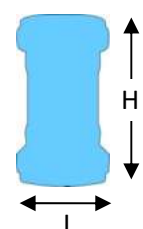
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47

Horizontal/Vertical Spring-Loaded Non-Return Valve CXC

Body: **Bronze**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	36	39	51	62	70	72
H (mm)	55	60	75	105	120	135



PSB Singapore



52GM

Horizontal/Vertical Spring-Loaded Non-Return Valve CXC

Body: **Bronze**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C



	42mm (1½")
L (mm)	115
H (mm)	70



PSB Singapore



146GM

Horizontal/Vertical Spring-Loaded Non-Return Valve FXF

Body: **Bronze**
 Seal Seat: NBR Rubber
 Spring: Stainless Steel 304
 Seat Valve: Polymer Material
 Specification Standard: BS & SS Standards
 Working Pressure: 0.5 bar up to 16 bar
 Max. Temperature: 90°C



	2 ½"
L (mm)	113
H (mm)	98



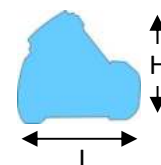
PSB Singapore



62GM

Y-Pattern Strainer

Body: **Bronze/Gunmetal**
 Filter: **S/S 304**
 Specification Standard: **BS & SS Standards**
 Working Pressure: **0.5 bar up to 20 bar**
 Max. Temperature: **90°C**



	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
L (mm)	58	66	76	92	105	125	165	170	225
H (mm)	50	64	70	90	104	130	170	190	250



59

Anti-Vacuum Relief Valve

Body: **Gunmetal**
 Cap: **Brass**
 Installation Instruction: **Strictly upright position**
 Specification Standard: **BS Standards**
 Working Pressure: **16 bar**
 Max. Temperature: **90°C**



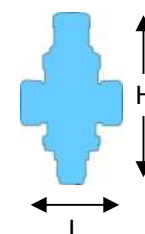
	½"
L (mm)	42.5
H (mm)	70



133

Pressure Reducing Valve

Body: **Brass**
 Thread: **BSP Thread.**
 Application: **Water and Air**
 Specification Standard: **NF standards**
 Max. Working Pressure: **16 Bar**
 Outlet Pressure Setting: **1 to 6 Bar. Preset at 3 Bar.**
 Max. Temperature: **80°C Water and 70°C Air**



	½"
L (mm)	60
H (mm)	105



131

Automatic Air Vent

Body: **Brass**
 Thread: **BSP Thread**
 Working Pressure: **10 bar**
 Max. Temperature: **110°C**
 For inlet need, ¾" & 1" you can ask for Reducers sizes:
 ½" F x ¾" M, ½" F x 1" M



	½"
L (mm)	45
H (mm)	70

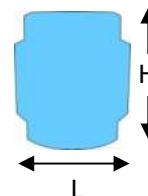


Horizontal/Vertical Spring-Loaded Non-Return Valve FXF



146

Body: Brass
Seal Seat: NBR Rubber
Spring: Stainless Steel 304
Seat Valve: Polymer Material
Specification Standard: BS & SS Standards
Working Pressure: 0.5 bar up to 16 bar
Max. Temperature: 90°C



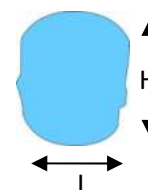
	½"	¾"	1"	1¼"	1½"	2"
L (mm)	34	42	51	61	72	88
H (mm)	51	57	67	75	82	95

Horizontal/Vertical Spring-Loaded Non-Return Valve MXM



48GM

Body: Bronze
Seal Seat: NBR Rubber
Spring: Stainless Steel 304
Seat Valve: Polymer Material
Working Pressure: 0.5 bar up to 16 bar
Max. Temperature: 90°C



	½"	¾"	1"	1¼"	1½"	2"
L (mm)	30	35	45	55	64	76
H (mm)	36	39	51	62	70	72

Pressure Gauge (Dry)



PG201

Case: Black Steel
Window: Acrylic Plastic.
Internals: Brass (Standard)
Socket: Brass (Standard)

Standard Thread, Bottom connection:

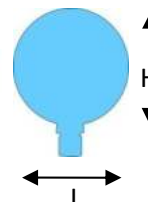
BSP – NPT ¼" – ⅜" – ½" – S/S 304,316 Material and Different threads on request.

Accuracy: 1 – 1.6 – 2.5%

Standard Scales: psi/bar, kg/cm² other on request.

0/2.5 – 0/4 – 0/6 – 0/10 – 0/16 – 0/20 – 0/25 – 0/40 – 0/60 – 0/100 – 0/160 – 0/250 – 0/400 – 0/600 other scale on request.

	2"	2 ½"	3"	4"
L (mm) Ø	50	63	80	100
H (mm) Ø	50	63	80	100



Pressure Gauge (Liquid Filled)



PG301

Case: Polished S/S304.
Window: Acrylic Plastic.
Internals: Brass (Standard)
Socket: Brass (Standard)

Standard Thread, Bottom connection:

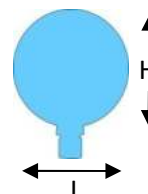
BSP – NPT ¼" – ⅜" – ½" – S/S 304,316 Material and Different threads on request.

Accuracy: 1 – 1.6 – 2.5%

Standard Scales: psi/bar, kg/cm² other on request.

0/2.5 – 0/4 – 0/6 – 0/10 – 0/16 – 0/20 – 0/25 – 0/40 – 0/60 – 0/100 – 0/160 – 0/250 – 0/400 – 0/600 other scale on request

	2"	2 ½"	3"	4"	6"
L (mm) Ø	50	63	80	100	150
H (mm) Ø	50	63	80	100	150



TECHNICAL SPECIFICATIONS

188

APPROVALS



DESCRIPTION

188

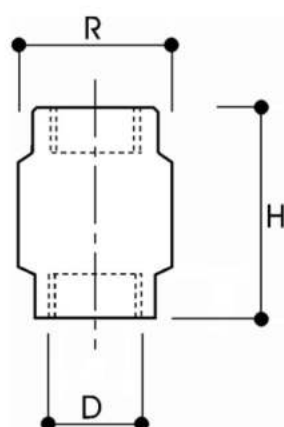
Horizontal and vertical brass non return valve "Glory" type.

MATERIALS

Body	CW617N (UNI EN 12165) CuZn40Pb2
Cut-off	POM
End connection	CW617N (UNI EN 12165) CuZn40Pb2
O-ring	NBR
Spring	Stainless steel AISI 302



DIMENSIONS



D	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
H	52	58	65	75	80	86	94	93	104	119
R	29	32	39	48	60	67	84	104	121	156
Weight [g]	115	150	225	330	545	685	1025	1260	1810	3100

Dimensions in mm

All threads are conform to ISO 7 or ISO 228 standards

RECOMMENDED WORKING PRESSURE / TEMPERATURE LIMITS

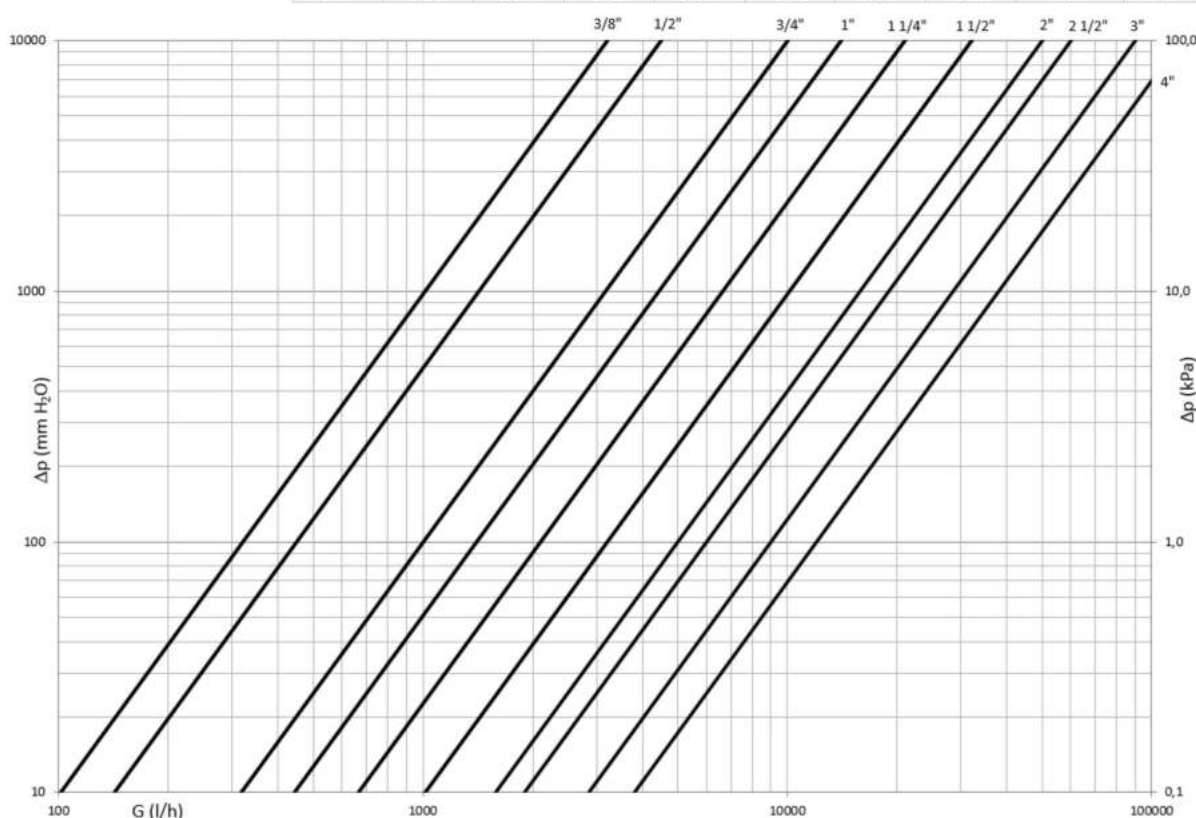
25 bar - 110°C - non shock (3/8" - 1")

18 bar - 110°C - non shock (1 1/4" - 2")

8 bar - 110°C - non shock (2 1/2" - 4")

PRESSURE DROP DIAGRAM

Dim.	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Kv	3.2	4.5	10	14	21	32	50	60	90	120
PN	25	25	25	25	18	18	18	8	8	8



The data given in this leaflet are given in good faith. We reserve the right to carry out any modification

TECHNICAL SPECIFICATIONS

500



DESCRIPTION

500

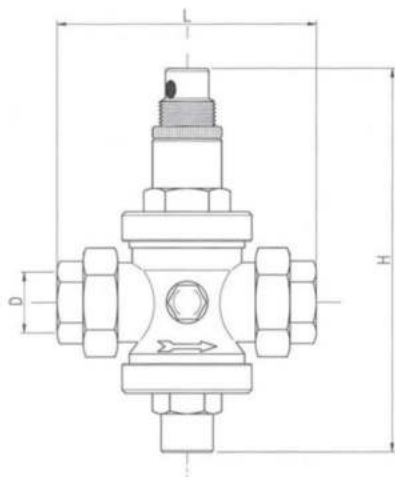
F x F union end pressure reducer with pressure compensation system. For cold water (max 50°C). Yellow finish.

Thanks to compensation chamber and the membrane-free design (no wear and tear on it), the system is stable to pressure damping and water hammer.

It is suggested to install a strainer (168/O – 170 or 51F Filterball®) upstream in order to avoid any damage to internal components of the reducer caused by impurities.

The pressure reducer has G $\frac{1}{4}$ " pressure gauge on both sides which can fit a monometer **M500P** (not included) in order to measure the pressure downstream.

DIMENSIONS



D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
H	120	160	166	220	220	250
I	12	15	16	18	18	22
L	112	135	140	170	175	200
Weight [g]	930	1600	1850	2950	3400	5300

Dimensions in mm

All threads are conform to ISO 228 standard

RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

Max suggested operative upstream pressure: 25 bar

Max suggested operative downstream pressure: 6 bar

Pressure reduction ratio: 10 : 1

Max working temperature: 50°C

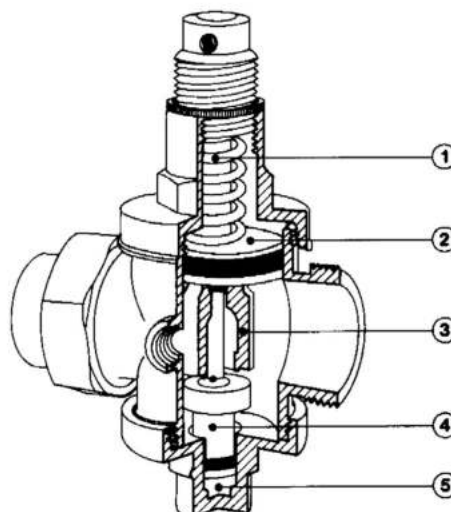
D	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Suggested flow rate [m ³ /h]	1.2 – 3	3 – 4.5	4.5 – 6	6 – 8	7 – 8.5	7.5 – 10
Suggested flow rate [l/min]	20 – 50	50 – 75	75 – 100	100 – 130	117 – 142	125 – 167

Max upstream pressure: 25 bar

Downstream pressure: 0.5 bar to 6 bar

MATERIALS

Body	CW617N (EN 12165) CuZn40Pb2
Spring (1)	Steel, cadmium plated
Diaphragm (2)	CW614N (EN 12164) CuZn39Pb3
Seat (3)	Stainless steel AISI 303
Stem with shutter (4)	CW614N (EN 12164) CuZn39Pb3 Stainless steel AISI 303 (1 $\frac{1}{4}$ " – 2")
Spring Holder	CW614N (EN 12164) CuZn39Pb3
Compensation chamber (5)	
Nut	CW617N (EN 12165) CuZn40Pb2
Union	CW617N (EN 12165) CuZn40Pb2
O-Ring	NBR
Gasket	Fiber





DESCRIPTION

501

F x F pressure reducer with pressure compensation system. For water heater (max 80°C). Chrome plated.

Thanks to compensation chamber and the membrane-free design (no wear and tear on it), the system is stable to pressure damping and water hammer.

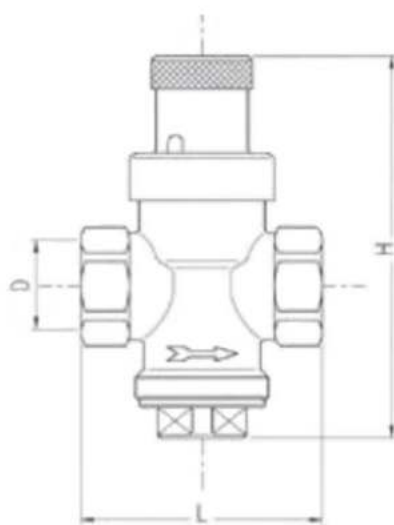
It is suggested to install a strainer (168/O – 170 or 51F Filterball®) upstream in order to avoid any damage to internal components of the reducer caused by impurities.

D	½"
Suggested flow rate [m3/h]	0.6 – 0.8
Suggested flow rate [l/min]	10 – 13.3

Max upstream pressure: 15 bar

Downstream pressure: 1 bar to 4 bar

DIMENSIONS



RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

Max suggested operative upstream pressure: 15 bar

Max suggested operative downstream pressure: 4 bar

Pressure reduction ratio: 5 : 1

Max working temperature: 80°C

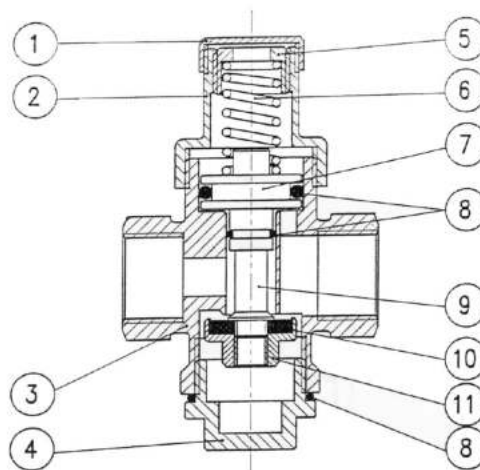
D	½"
H	93
I	10
L	60
Weight [g]	380

Dimensions in mm

All threads are conform to ISO 228 standard

MATERIALS

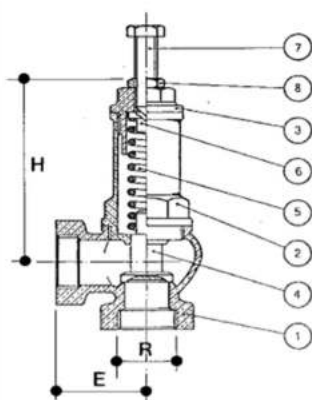
1. Upper cap	POM
2. Headwork	CW617N (EN 12165) CuZn40Pb2
3. Body	CW617N (EN 12165) CuZn40Pb2
4. Lower cap	CW617N (EN 12165) CuZn40Pb2
5. Spring holder	POM
6. Spring	Stainless steel AISI 303
7. Diaphragm	CW614N (EN 12164) CuZn39Pb3
8. O-Ring	NBR
9. Stem	CW614N (EN 12164) CuZn39Pb3
10. Gasket	NBR
11. Shutter	CW614N (EN 12164) CuZn39Pb3



Art 56

Valvola di sicurezza in ottone a scarico convogliato per impianti idrici, sede metallica

Brass angle safety valve for water with outlet to pipe, metal seat



Pressioni di esercizio a max 80°C
Working pressures at 80°C max

CAMPO DI TARATURA

0-12 bar

CALIBRATION RANGE

Dimensioni principali
Leading dimensions

R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
H	75	76	90	98	125	140	150	181	205
E	28	36	39	47	56	63	75	86	88

DATI TECNICI TECHNICAL DATA

R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
PN bar	12	12	12	12	12	12	12	12	12
Ø SEDE mm	10,20	13,00	19,00	25,70	31,00	38,00	48,00	68,00	77,50
AREA cm²	0,82	1,33	2,83	5,18	7,54	11,34	18,09	36,30	47,15

Valvole da tarare sul luogo dell'impianto; dado di taratura bloccabile a mezzo controdado.

These valves have to be calibrated when installed; calibration nut can be locked with check nut.

Portata d' acqua in m³/h in funzione del diametro della valvola R" e della pressione di taratura P

Water flow rate in m³/h according to the size of the valve R" and the calibration pressure p

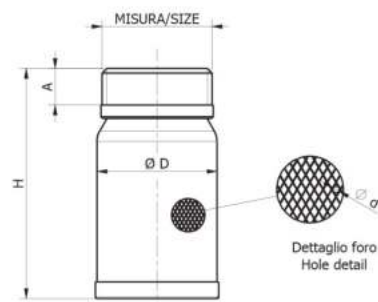
P \ R"	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
1	0,3	0,5	1,0	1,9	2,7	4,1	6,5	13,1	17,0
2	0,4	0,6	1,2	2,3	3,3	5,0	8,0	16,0	20,8
3	0,4	0,7	1,4	2,6	3,8	5,8	9,2	18,5	24,0
4	0,5	0,8	1,6	3,0	4,3	6,5	10,3	20,7	26,8
5	0,5	0,8	1,8	3,2	4,7	7,1	11,3	22,6	29,4
6	0,6	0,9	1,9	3,5	5,1	7,6	12,2	24,4	31,8
7	0,6	1,0	2,0	3,7	5,4	8,2	13,0	26,1	33,9
8	0,6	1,0	2,2	4,0	5,8	8,7	13,8	27,7	36,0
9	0,7	1,1	2,3	4,2	6,1	9,1	14,6	29,2	38,0
10	0,7	1,1	2,4	4,4	6,4	9,6	15,3	30,6	39,8
11	0,7	1,2	2,5	4,6	6,7	10,0	15,9	32,0	41,6
12	0,7	1,2	2,6	4,8	6,9	10,4	16,6	33,3	43,3

Per ulteriori informazioni richiedere fascicolo tecnico in accordo alla direttiva 97/23 CE (PED).

For further informations ask for the technical leaflet according to 97/23 CE (PED) norm.

IDRJA-SMALL

Filtri di aspirazione / Suction screens



Modello / Model
IDRJA-SMALL

Materiale / Material
Aisi 304 / Aisi 316

DN
8 – 100

Caratteristiche tecniche / Construction features

- **Connessione filettata maschio secondo /**
Threaded end gas male according to
UNI ISO 228/1
- **Grado di filtrazione / Filtration**
U.S. mesh: 18 (da/from 3/8" a/to 2")
U.S. mesh: 10 (da/from 2" 1/2 a/to 4")
- **Trattamento superficiale solo per versione**
Aisi 316 sgrassaggio, decapaggio ed
elettrolucidatura / Surface treatment only Aisi
316 version degreasing, pickling
and electropolishing

Componenti e materiali / Components and materials

Rete / Net-filter	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316
Fondello / Net cap	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316
Raccordo maschio / Male coupling	Acciaio inox Aisi 304 o 316 / SS Aisi 304 or 316

Dimensioni e pesi / Dimensions and weights

Materiale Material	Misura Size	DN	Peso in gr. Weight in gr.	Dimensioni in mm Dimensions in mm			
				H	A	Ø D	Ø d
Aisi 304	3/8"	8	12	55	8	19	1
	1/2"	15	15	55	10	22	1
	3/4"	20	25	62	10	28	1
	1"	25	34	71	11	36	1
	1" 1/4	32	52	80	15	43	1
	1" 1/2	40	62	90	15	49	1
	2"	50	86	101	15	60	1
	2" 1/2	65	135	111	18	79	1,8
Aisi 316	3"	80	168	125	18	92	1,8
	4"	100	253	144	20	115	1,8
	3/8"	8	12	55	8	19	1
	1/2"	15	15	55	10	22	1
	3/4"	20	25	62	10	28	1
	1"	25	34	71	11	36	1
	1" 1/4	32	52	80	15	43	1
	1" 1/2	40	62	90	15	49	1
	2"	50	86	101	15	60	1
	2" 1/2	65	135	111	18	79	1,8
	3"	80	168	125	18	92	1,8
	4"	100	253	144	20	115	1,8

SMALL

Valvole di ritegno di piccolo diametro / Small diameter check valves
valves



Modello / Model
SMALL

Materiale / Material
Aisi 304 - 316

Tenuta / Seal
NBR, FPM o PTFE

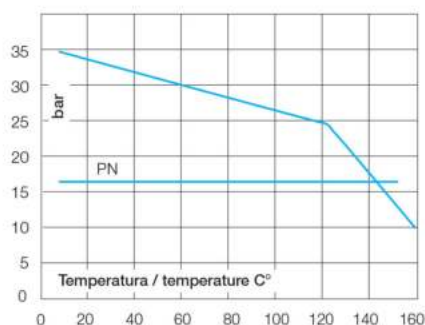
DN
8 - 15

PN
16

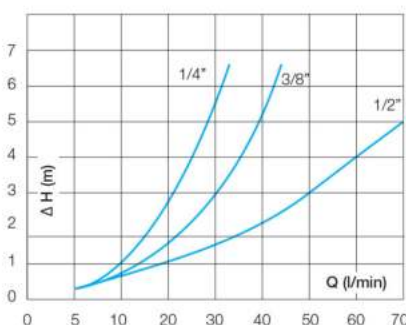
Caratteristiche tecniche / Construction features

- Lavorazione: acciaio inox stampato** / Manufacturing process: pressed stainless steel
- Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura** / Surface treatment degreasing, pickling and electropolishing
- Tenuta / Seal ring**
NBR, FPM, PTFE
- Connessioni filettate femmina secondo /**
Threaded ends female according to
UNI ISO 228/1
- Saldatura a TIG senza apporto di materiale**
TIG weldings without additional material
- Pressione di apertura / Opening pressure**
Min. 0,025 – Max. 0,035 bar
- Test idraulico di tenuta guarnizioni /**
Hydraulic test on the seal rings
0.2 bar
- Pressione nominale di esercizio /**
Nominal working pressure
16 bar
- Temperatura di esercizio / Working temperature**
-25°C – +90°C NBR
-20°C – +150°C FPM
-20°C – +200°C PTFE
- Certificazioni / Approvals**
 NSF/ANSI 61
(solo versioni Aisi 316 FPM /
only Aisi 316 FPM types)

Diagramma pressione temperatura / Pressure temperature diagram



Perdite di carico / Friction losses diagrams

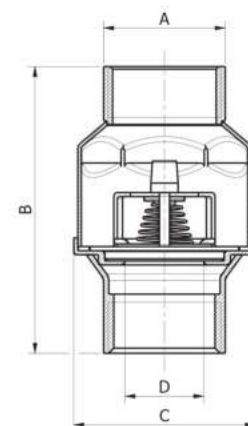


Dimensioni e pesi / Dimensions and weights

Misura Size	Materiale Material	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm			
					A	B	C	D
1/4"	Aisi 304	NBR	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 304	FPM	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 316	FPM	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F
1/4"	Aisi 316	PTFE	08	16	20	56	32	1/4" F
3/8"			10	16	20	56	32	3/8" F
1/2"			15	16	25	56	32	1/2" F

IDRJA

Valvole di ritegno in acciaio inox stampato / Check valves fabricated from pressed stainless steel



Modello / Model IDRJA	Materiale / Material Aisi 304 - 316	Tenuta / Seal NBR, FPM, PTFE, FEP	DN 20 – 100	PN 16
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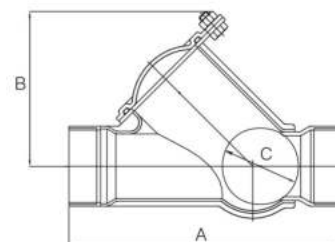
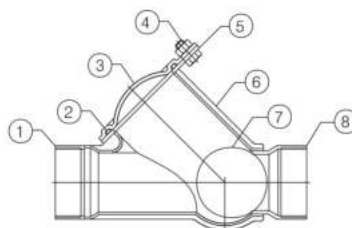
Caratteristiche tecniche / Construction features

- Lavorazione: acciaio inox stampato** / Manufacturing process: pressed stainless steel
- Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura** / Surface treatment degreasing, pickling and electropolishing
- Tenuta / Seal ring**
NBR, FPM, PTFE o/or FEP
- Connessioni filettate femmina secondo** / Threaded ends female according to UNI ISO 228/1
- Saldatura a TIG senza apporto di materiale** / TIG weldings without additional material
- Pressione di apertura** / Opening pressure
Min. 0,025 – Max. 0,035 bar
- Test idraulico di tenuta guarnizioni** / Hydraulic test on the seal rings
0.2 bar
- Pressione nominale di esercizio** / Nominal working pressure
16 bar
- Temperatura di esercizio** / Working temperature
-25°C – +90°C NBR
-20°C – +150°C FPM
-20°C – +200°C PTFE o/or FEP
- Certificazioni** / Approvals
 NSF/ANSI 61
(solo versioni Aisi 316 FPM / only Aisi 316 FPM types)

Misura Size	Materiale Material	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm			
					A	B	C	D
3/4"	Aisi 304	NBR	20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2			40	16	50,8	115	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2	Aisi 304	FPM	65	16	80	142	113	58,7
3/4"			20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2			40	16	50,8	115	78	36,8
2"	Aisi 316	FPM	50	16	63	120,5	90	42,9
2" 1/2			65	16	80	142	113	58,7
3/4"			20	16	30	67	44	18,3
1"			25	16	35,8	83	53	23,4
1" 1/4			32	16	45	97	66	31,4
1" 1/2	Aisi 316	PTFE	40	16	50,8	115	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2			65	16	80	142	113	58,7
3"			80	16	93	160	132	70,3
4"			100	16	120	191	167	93,4
3/4"	Aisi 316	FEP	20	16	30	74	44	18,3
1"			25	16	35,8	90	53	23,4
1" 1/4			32	16	45	101	66	31,4
1" 1/2			40	16	50,8	120	78	36,8
2"			50	16	63	120,5	90	42,9
2" 1/2	Aisi 316	FEP	65	16	80	142	113	58,7
3"			80	16	93	160	132	70,3
4"			100	16	120	191	167	93,4

GLOVALVE

**Valvole di ritegno
a palla in acciaio
inox stampato /**
Ball check valves
fabricated from pressed
stainless steel



Modello / Model
GLOVALVE

Materiale / Material
Aisi 316

Tenuta / Seal
NBR, FPM

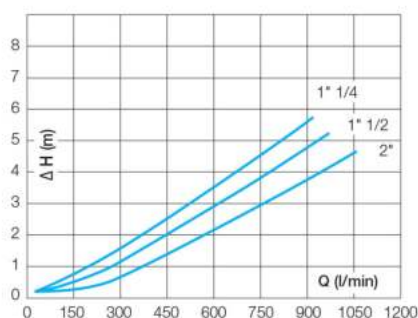
DN
32 – 50

PN
16

Caratteristiche tecniche / Construction features

- **Applicazioni:** acque reflue, fluidi densi o carichi di elementi in sospensione / Applications: dense and loaded liquids
- **Lavorazione acciaio inox stampato /** Manufacturing process pressed stainless steel
- **Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura /** Surface treatment degreasing, pickling and electropolishing
- **Connessioni filettate femmina secondo /** Threaded ends female according to UNI ISO 228/1
- **Versione 2" F con attacchi flangiati in acciaio inox stampato con foratura secondo /** F Version 2" available with flanged end from pressed stainless steel with holes according to UNI EN 1092-1 PN 16
- **Saldature a TIG senza apporto di materiale** / Welded joints TIG method without any additional material
- **Test idraulico su saldature aria compressa su ogni valvola /** Hydraulic test on welded joints compressed air on each valve 3 bar
- **Pressione nominale di esercizio /** Nominal working pressure 16 bar
- **Temperatura di esercizio /** Working temperature 0°C – +90°C NBR 0°C – +150°C FPM
- **Installazione: verticale e orizzontale /** Installation: vertical and horizontal

Perdite di carico / Friction losses diagrams



Componenti e materiali / Components and materials

1	Manicotto mandata / Outlet end	1.4401 EN 10088 (Aisi 316)
2*	OR coperchio flangia / Or seal ring flange	NBR or FPM
3*	Coperchio flangia / Flange cover	1.4401 EN 10088 (Aisi 316)
4*	Dadi e viti Bolts and nuts	1.4401 EN 10088 (Aisi 316)
5	Flangia chiusura / Closing flange	1.4401 EN 10088 (Aisi 316)
6	Corpo / Body	1.4401 EN 10088 (Aisi 316)
7*	Sfera / Ball	Acciaio + NBR or FPM / Iron + NBR or FPM
8	Manicotto aspirazione / Inlet end	1.4401 EN 10088 (Aisi 316)

* **Ricambi disponibili /** Spare parts

Dimensioni e pesi / Dimensions and weights

Misura Size	Tenuta Seal	DN	PN	Dimensioni in mm Dimensions in mm		
				A	B	C
1" 1/4	NBR	32	16	175	99	50
1" 1/2 *		40	16	190	99	50
2" *		50	16	210	112	60
DN50	FPM	50	16	242	112	60
1" 1/4		32	16	175	99	50
1" 1/2 *		40	16	190	99	50
2" *		50	16	210	112	60
DN50		50	16	242	112	60

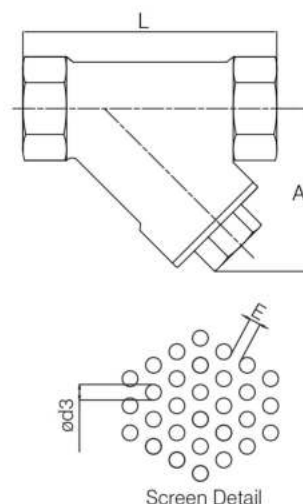
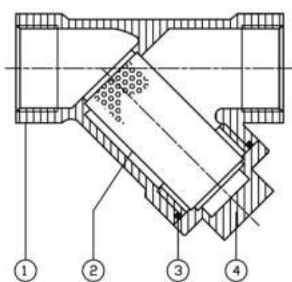
Nuove versioni / New versions

* **Filettatura NPT /** NPT thread

DN50 versione con attacchi flangiati in acciaio inox secondo / DN50 version with pressed stainless steel flanged unions according to UNI EN 1092-1 PN 16

90093

Filtri a y /
"Y" type strainers



Modello / Model
90093

Materiale / Material
Aisi 316

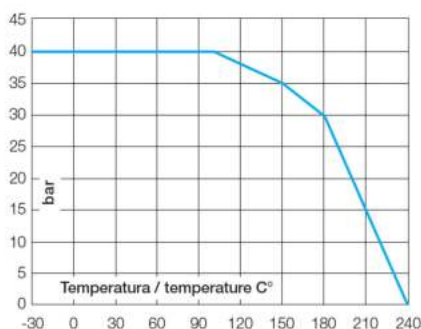
DN
8 – 50

PN
40

Caratteristiche tecniche / Construction features

- **Conessioni filettate gas femmina secondo** / Threaded ends gas female according to EN 10226-1
- **Pressione nominale di esercizio** / Nominal working pressure: 40 bar
- **Temperatura di esercizio** / Working temperature: -30°C – +240°C

Diagramma pressione temperatura / Pressure temperature diagram



Componenti e materiali / Components and materials

1	Corpo / Body	Acciaio Inox / SS 1.4408
2*	Filtro / Strainer	Acciaio Inox Aisi 316 / SS Aisi 316
3*	Guarnizione / Gasket	PTFE
4	Tappo / Plug	Acciaio Inox / SS 1.4408

* **Ricambi disponibili** / Spare parts

Dimensioni e pesi / Dimensions and weights

Misura Size	DN	PN	Peso in kg. Weight in kg.	KV m³/h	Dimensioni in mm Dimensions in mm			
					A	L	Ød3	E
1/4"	8	40	0,29	1,44	30	65	1,0	1,0
3/8"	10	40	0,21	2,88	30	65	1,0	1,0
1/2"	15	40	0,22	3,30	40	65	1,0	1,0
3/4"	20	40	0,35	6,60	45	80	1,0	1,0
1"	25	40	0,66	9,70	55	90	1,0	1,0
1" 1/4	32	40	0,77	14,90	65	105	1,0	1,0
1" 1/2	40	40	1,15	26,60	70	120	1,0	1,0
2"	50	40	1,76	35,40	85	140	1,0	1,0

Su richiesta /
On request

Filettatura NPT / NPT thread

H2851

VALVOLE A GALLEGGIANTE

FLOATING VALVES



CARATTERISTICHE TECNICHE

- // **Corpo e parti metalliche:** acciaio inox Aisi 316
(Aisi 304 dal 1/2" al 1"1/4)
- // **Attacco filettato:** gas maschio UNI EN 10226-1
- // **Chiusura in silicone**
- // **Pressione nominale di esercizio:** 10 bar
- // **Temperatura di esercizio:** -20°C – +150°C

TECHNICAL FEATURES

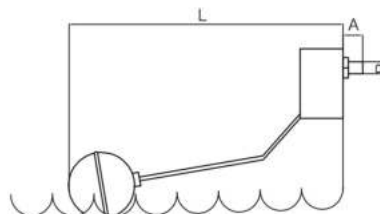
- // **Body valve and metallic parts:** stainless steel Aisi 316
(Aisi 304 from 1/2" to 1"1/4)
- // **Threaded end:** gas male according to UNI EN 10226-1
- // **Silicone sealing**
- // **Nominal working pressure:** 10 bar
- // **Working temperature:** -20°C – +150°C



DIMENSIONI E PESI // DIMENSIONS AND WEIGHTS

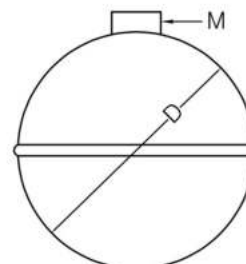
valvola // valve

Misura Size R	DN	Dimensioni in mm Dimensions in mm		Peso in kg Weight in kg
		A	L	
1/2"	15	35	410	0,80
3/4"	20	42	500	1,50
1"	25	45	580	1,55
1"1/4	32	52	580	1,75
1"1/2	40	60	620	4,15
2"	50	70	720	4,45
2"1/2	65	80	720	5,10



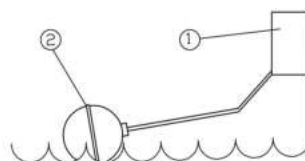
sfera // float

Misura Size	DN	Dimensioni in mm Dimensions in mm		Peso in kg Weight in kg
		D	M	
1/2"	15	110	M-6	0,25
3/4"	20	160	M-8	0,50
1"	25	160	M-8	0,50
1"1/4	32	160	M-8	0,50
1"1/2	40	200	M-12	0,70
2"	50	200	M-12	0,70
2"1/2	65	200	M-12	0,70



CARATTERISTICHE COSTRUTTIVE // CONSTRUCTION FEATURES

Componenti Components	Materiale Material
1 Valvola // Valve	Acciaio Inox. 316(Aisi 304 from 1/2" to 1"1/4) SS 316 (Aisi 304 from 1/2" to 1"1/4)
2 Galleggiante // Floating	Acciaio Inox. 316(Aisi 304 from 1/2" to 1"1/4) SS 316 (Aisi 304 from 1/2" to 1"1/4)

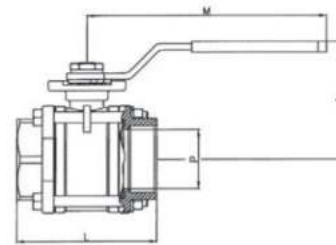
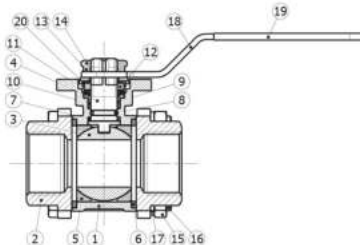


VERSIONI FORNIBILI SU RICHIESTA // MODELS AVAILABLE ON REQUEST

Tipo di filettatura Type of thread	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2"1/2
NPT	X	X	X	X	X	X	X

GLOBE / 3P

Valvole a sfera a passaggio totale, 3 pezzi / Full bore ball valves, 3 pieces



Modello / Model
GLOBE 3P

Materiale / Material
Aisi 316

Tenuta / Seal
PTFE + 15% FV / GF

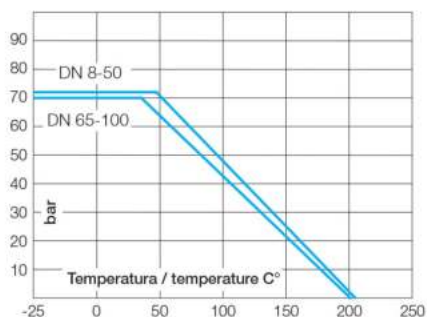
DN
8 – 100

PN
63

Caratteristiche tecniche / Construction features

- **Montaggio diretto attuatore secondo /**
Direct actuator installation according to
ISO 5211
- **Connessioni filettate femmina secondo /**
Threaded ends female according to
UNI EN 10226-1, NPT
- **Attacchi a saldare / Welding ends**
BUTT-WELD: ANSI B 16.25,
SOCKET-WELD: ANSI B 16.11
- **Pressione nominale di esercizio / Nominal**
working pressure
63 bar
- **Temperatura di esercizio /**
Working temperature
-25°C – +180°C
- **Albero anti-espulsione / Blow-out proof**
stem

Diagramma pressione temperatura / Pressure temperature diagram



Componenti e materiali / Components and materials

1	Corpo / Body	Acciaio inox / SS Aisi 316
2	Tappo / Cap	Acciaio inox / SS Aisi 316
3*	Sfera / Ball	Acciaio inox / SS Aisi 316
4*	Albero / Stem	Acciaio inox / SS Aisi 316
5*	Tenuta sfera / Seat ball	PTFE + 15% Fibra di vetro / PTFE + 15% Glass fiber
6*	Guarnizione / Gasket	PTFE + 15% grafite / PTFE + 15% graphite
7*	Rondella / Trust Washer	PTFE + 15% grafite / PTFE + 15% graphite
8*	Anello OR albero / Stem O-ring	FPM
9*	Pacco albero / Stem packing	PTFE
10	Anello albero / Stem ring	Acciaio inox / SS Aisi 304
11	Rondella / Washer	Acciaio inox / SS 301
12	Dado - Arresto / Nut - Stopper	Acciaio inox / SS Aisi 304
13	Rondella / Washer	Acciaio inox / SS Aisi 304
15	Bullone - Dado / Bolt - Nut	Acciaio inox / SS Aisi 304
16	Bullone - Dado / Bolt - Nut	Acciaio inox / SS Aisi 304
18	Maniglia / Handle	Acciaio inox / SS Aisi 304
19	Coprimaniglia / Handle Sleeve	Vinile / Vynil
20	Antisvitamento / Lock washer	Acciaio inox / SS Aisi 304

* **Ricambi disponibili / Spare parts**

The Latest Nano Meter Tech Products — **ENAMAX**

REPAIRS AND STRUCTURAL SERIES

**THE FIRST BRAND
OF ADHESIVE**

**SEALING
CRACK & SAND HOLE**
Quick & Excellent

Heat and hand tools are required for
disassembly products, multi-purpose.

Nano meter
particle molecule, it'll
be melting & permeate
into the deep part, And
sealing the crack and pin
hole, non-bubble when
meet heat.
Excellent seals.


ENA-160

PACKAGE: N.W. 2kgs / set

ENA-60

PACKAGE:
N.W. 60g / set

ENA-160

PACKAGE:
N.W. 160g / set


Feature

Without Brazing

Outstanding tensile shear strength & shock resistance
with excellent mechanical performances.

1. The product do not contain the organic solvent (100%) solid solute. It will not evaporate and harden.
2. Environmental production and non-pollution. The product is containing no heavy meal (Cd, Hg, Pb, Cr+6, Pbbs, Pbdes). The quality of the products satisfy EU(RoHS) standard, Pass SGS international certification.
3. Pot-life : within five years under 25°C.
4. Curing : room temperature 2hrs-4hrs, under the heating temperature of 140°C, it will take 10 ~ 30 seconds to harden.
5. Working pressure : MWP 35kgf / cm² (500psi).
6. Heat resistance 180°C , Cold resistance - 60°C.
7. Corrosion, acid, alkali and freon resistance.
8. Strong adhesion high tencacity. Expansion when hot and shrinkage when cold. It will not spall and crack.



Model	Package	Size	N. W.
ENA-60	Blister	100X22mm	60±2g
ENA-160	Color box	138X28.5mm	160±2g

Application

Sanitary Ware , Plumbing Fitting, Air Condition, Hardware...

Ideal for permanent repairing and locking high pressure flow power systems, Including sanitary ware, plumbing fitting, air-condition , hardware and approved excellent efficiency . Sand hole, crack, leakage, repairing , maintance.



Conveyer Roller



Copper to Copper Without Brazing



Copper → Stainless Steel



Press Fitting S. S Water Tank



Copper → Aluminum



Evaporator



Radiator



Copper Valve Stainless Steel Valve

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The data given in this leaflet are given in good faith. We reserve the right to carry out any modification

NEW

ENA-1288 Multi-Purpose Ceramic Putty

Special uses for repair of modification and salvaging repair for water leakage

*** Introduction of new engineering methods for uniquely improved and modified repair and salvaging repair — hardening in room temperature of 1 to 1.5 hours**

If pipeline is found in disrepair after years, there will be needs against oxidation, corrosion leaks, and perforation and pipe leakage with salvaging repair. First, pipe fitting is cut off, while sheath connection is used to prevention leakage (as shown in the figure). or use fiberglass reinforced belt and apply with ceramic putty ENA-1288 (as shown in the picture) for wrapping and enhancing of reconstruction. The effect is 100% stop leakage. When it is done, it is pressure resistant, shock resistant, and with favorable adherence, and it is most firm and durable.

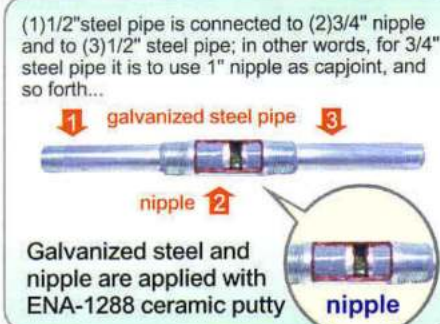


*** Break-down chart of repairs with pipeline, galvanized steel pipe, and stainless steel pipe**

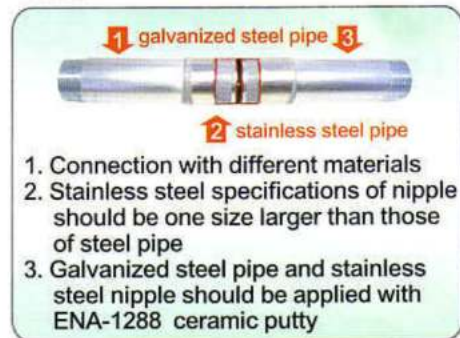
1. Break-down chart on galvanized steel pipe and nipple



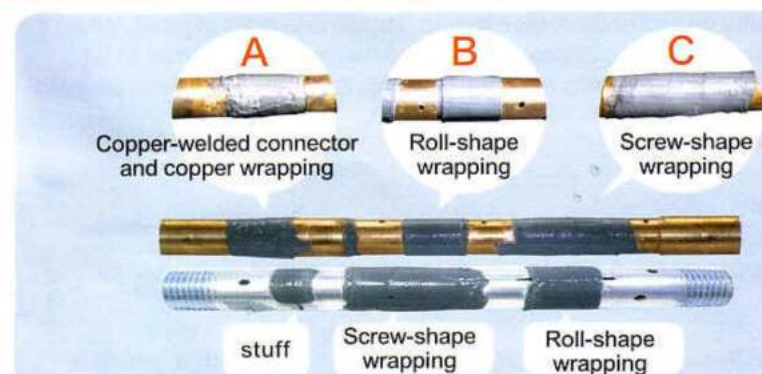
2. Combination chart of repair for socket-connection with galvanized steel pipe



3. Combination chart of repair for socket-connection with stainless steel



*** Repair works for galvanized steel pipe, stainless steel pipe, air conditioning, and freezing copper, aluminum pipe fitting --- fiberglass reinforced belt is wrapping for reinforcement**



《 Explanation 》

1. Copper-welded connector and copper pipe (A) will use ENA-1288 for applying, and they are further reinforced with fiberglass reinforced belt ENA-1365, with both sides applied with ENA-1288 for wrapping
2. For perforation and crack of copper or aluminum pipe, it is to use ENA-1365 fiberglass reinforced belt for wrapping, and applied with ENA-1288.
3. Suggestions: fiberglass reinforced belt be applied with ceramic putty for 3 to 5 wraps, and the effect would be best.

*** Salvaging repair indication chart of press fitting, pipe thread, and repair for modification**



《 Applications 》

Sealing-up in sanitary, freezing, air-conditioning, hydrant, gas, liquid-pressure system, pneumatic piping system, and pipe screw (thread) of refrigeration equipment, anti-leakage, pressure-resistant, heat-resistant, Freon-resistant, corrosion-resistant, flexibility-resistant, and shock-resistant.

《 Attention 》 if the gaps between nipple and pipe fitting are too large, it will rock in excess of 2mm. Then, pipe fitting can first use fiberglass reinforced belt ENA-1365 to apply ENA-1288 for wrapping, making up the thickness of pipe circumference.

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The Latest Nano Meter Tech Products —

ENAMAX[®]
REPAIRS AND STRUCTURAL SERIES



Series Products of Ceramic Putty

ENA-1288 Multi-Purpose Ceramic Putty

It can be used on various kinds of materials, rigid PVC plastic, metal, and ceramic. The product is shock resistant, bending resistant, and also resistant to FREON, acidity and alkalinity, and best against corrosion. It won't drop for repair of vertical surface and suspended surface, and will harden in 1 to 1.5 hours in room temperature. Besides, it won't crack with expansion of heat and shrinkage as of cold, and can, therefore, best meet requirements of repair works. The product complies with legal provisions of 2002 / 95EC RoHS, with its SGS examination report numbered as (CE / 2010 / B4232). Environmental and non-pollution product. The product is containing no heavy metal (Cd, Hg, Pb, Cr₆₊, Pbb_s, Pbde_s). The best industry product.

- ★ Cap joint frees its from expansion joint
- ★ Free from press fitting tools



This product can be enhanced double of its anti-leakage effect with ENA-1365 and ENA-1366 fiberglass reinforced belt.



PACKAGE:
Nw80g / set / 10sets / box

Usage

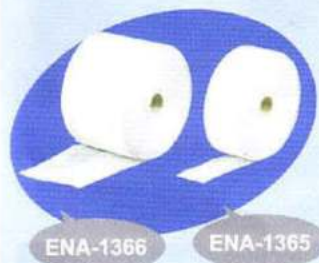
1. Screw thread (pipe thread) in contact with ENA-1288 is first cleaned with solvent to avoid attachment with dust particle, moisture or grease as its affects bonding effect. Or gas torch can be used to blow pipe thread so that grease is burned into ash, and then steel brush or cloth is used to clean up.
2. It is suggested to apply putty on two ends of pipe thread (female and male of pipe). When it is to lock, one should be soon (reverse) direction to reverse the clock 2 to 3 times to let putty evenly spread out and fill up gap before it is well locked. Then, the effect can be even better.

Storage

1. Shelf life: 25°C for 3 years
2. ENA-1288 should be kept at cool and dry place
3. After use, it should be capped as soon as possible to avoid penetration of humidity

Attention

1. If B agent is moisturized, the surface will be found with a slim discoloration, which is considered normal. It won't affect quality, and please put it to use with assurance.
2. Please keep out reach of children.
3. Please avoid it from contacts to eyes and skin. If one has accidental contacts with their skin or eyes, first use water or soap for cleaning and then get medical attention.
4. For stainless steel press fitting connector and pipe fitting, they should be conducted of surface grinding.
5. Under temperature of 15°C, the viscosity becomes thick is a normal situation, and one can use hair-dryer or soak it in hot water to soften it. Please put it to use with assurance.
6. Repairing pipe thread leakage. Please remove Teflon seal tape and then apply with ceramic putty.
7. If dropped water or wet surface is unacceptable.
8. Heat and torch blow are required for removing ceramic putty and disassembly.



fiberglass reinforced belt

PACKAGE:
ENA-1365 12 EA / box
W 25mm * L 40m
ENA-1366 6EA / box
W 50mm * L 40m

Product Code	Mixing Ratio (A : B)		Operating Time	Surface Dry Time	Through Cure Time	Working Temperature		Working Pressure
ENA-1288	Volume	Weight	20mins	45mins/25 °C	90mins/25 °C	Heat resistance	Cold resistance	290psi
	1 : 1	1 : 1				140 °C	-40 °C	20kg/c m ²

Project References

21 Angullia Condominium	@	Angullia Park
Aalto Condominium	@	Meyer Road / Amber Road
Amoy Quee Camp	@	Ang Mo Kio
Anglo Chinese School	@	Dover Road
Assisi Hospice	@	Thomson Road
Boon Lay Way II	@	-
Boulevard Vue Condominium	@	Cuscaden Walk
Carlton City Hotel	@	Tanjong Pagar
CET Campus	@	Paya Lebar
Chong Fu Primary School	@	Yishun Ave 6
Church	@	Ang Mo Kio
Church	@	Bishan
Church of Divine Mercy	@	Pasir Ris
Citylife EC	@	Tampines
Citylights	@	Jellicoe Road
Civil Service Club	@	Changi
Clementi Primary School	@	Clementi Avenue 3
Clementi Secondary School	@	Clementi
Cliveden Condominium	@	Grange Road
Collyer Quay Hotel	@	Clifford Pier
Community Club	@	Yishun
Condominium	@	Dakota Crescent
Condominium	@	Hindhede Drive
D'Resort @ Downtown East	@	Pasir Ris
Dairy Farm Estate Condominium	@	Dairy Farm Road
Dovercourt International School	@	Dover Road
Dulwich College	@	Bukit Batok
Eunos Technolink	@	Kaki Bukit Road
Factory Building	@	28 Riverside Road
Factory Building	@	42D Penjuru Road
Factory Building	@	No. 25 Sungei Gedong
Factory Building	@	No. 52 International Road
Factory Building	@	No. 44 Tanjong Penjuru
Fuhua Primary School	@	Jurong East
Fusionopolis 5	@	Fusionopolis Place
Globalfoundries	@	Woodlands
Hendon Camp - New Office	@	-
Hilltops	@	Cairnhill Circle
Hillview Regency Condominium	@	Bukit Batok East Ave 2
Hong Kah Secondary School	@	-
Hotel Miramar	@	Havelock Road
Insead	@	Portsmouth Road
JEM	@	Jurong Gateway

To be continued...

Project References

Junyuan Primary School	@	Tampines
Jurong Christian Church	@	Tah Ching Road
Juying Secondary School	@	Jurong West
Kerrisdale Condominium	@	Beatty Road
Kheng Cheng Primary School	@	Toa Payoh Lorong 3
Kim Keat Gardens	@	Kim Keat Road
Kim Lin Park	@	Jalan Arnap
King's Rd Church - Extension	@	-
Kong Hwa School	@	Guillemard Road
Kranji Camp	@	-
Law Enforcement Academy	@	Choa Chu Kang Way
Le Crescendo	@	Paya Lebar Road
Lee Kong Chian School of Medicine	@	Novena Campus
Legenda Condo	@	Joo Chiat / Everitt Rd
Light Industrial Factory Bldg	@	Admiralty Road West
Lock Cho Condominium	@	Jalan Datoh
LUP	@	Bukit Batok Block 504
LUP C56	@	-
Lush on Holland Hill	@	Holland Hill
Madeira Condominium	@	Bukit Batok St. 31
Malvern Spring Condominium	@	Onan Road
Mandai Hill Camp	@	-
Marina South Lighter Wharf	@	-
Masjid Hajjah Rahimabi Kebun Limau	@	Kim Keat Road
Methodist Church	@	Ang Mo Kio
Miltonia Residences	@	Yishun
Mimosa Terrace	@	Mimosa Terrace
MOM Services Centre	@	Bendemeer
Monterey Park Condominium	@	West Coast Rise
MUH@Mediapolis	@	Ayer Rajah
Nanyang Polytechnic	@	Ang Mo Kio
National Cancer Centre	@	Bukit Merah
National Kidney Foundation Centre	@	Corporation Road
National Library	@	Bras Basah Road
Ngee Ann City	@	Orchard
North Link Industrial Factory	@	Admiralty Road West
NTU Innovation Ctr - BioLab	@	-
Nursing Home	@	Buangkok View
NUS - A & A Works	@	Blk MD7 & MD4 (BioLab)
Office Building	@	Middle Road
Orange Groove Condo	@	Stevens Road
Orchard Scotts Residences	@	Anthony Road
Parc Condominium	@	West Coast Walk

To be continued...



Project References

Parkview Eclat	@	Grange Road
Pasir Laba Camp	@	Pasir Laba
Pei Tong Primary School	@	Clementi Avenue 5
Punggol Primary School	@	Hougang Avenue 8
Queenstown Condominium	@	Queenstown
Raffles Hotel	@	Beach Road
Residential Housing	@	Punggol West C7
River Safari	@	Mandai
Rivergate	@	Rivervalley Close
Riversails Condominium	@	Upper Serangoon Rd
Riverside Primary School	@	Woodlands Crescent
Riviera Condominium	@	-
Royal Garden	@	55B Jalan Taman
Royal Square	@	Novena
Safra Town Club	@	Carpenter Street
Science Park 2	@	-
Scotts Highpark Condominium	@	Scotts Road
Seaview Condominium	@	Amber Road
Seletar Airport	@	-
Sembawang Greenvale	@	Andrews Terrace
Sembawang Shipyard	@	-
Semi-Detached House	@	1B & 1C Walton Road
Sengkang Primary School	@	Compassvale Walk
Sengkang Methodist Church	@	Anchorvale Road
Serangoon Mall	@	-
Shuqun Secondary School	@	Jurong East
Silversea	@	Amber Road
Sims Green Condominium	@	Lorong 27A Geylang
Singapore Polytechnic	@	Dover
Singapore Press Holding	@	Toa Payoh
Sky @ Eleven	@	Thomson Lane
Sports Complex	@	Jurong West St. 93 / Pioneer Road North
Sports Complex	@	Pasir Ris
Sungei Gedong Camp	@	-
Super Continental Factory	@	Tuas
Tangerine Grove	@	Paya Lebar Crescent
Tanglin Trust School	@	Portsmouth Road
Tanjung Gul Camp	@	-
Tates' Residence Condominium	@	Claymore Road
Teck Ghee Primary School	@	AMK St. 32 / AMK Ave 8 - Rebuilding Works
Telok Kurau Primary School	@	Bedok Reservoir Road
Temasek Primary School	@	Bedok South Avenue 3
The Amaranda Gdns Condo	@	Serangoon Avenue 3

To be continued...



Project References

The Ansley Condominium	@	Serangoon Avenue 3
The Dew	@	Bukit Batok St. 21
The Edgewater Condominium	@	Jalan Loyang Besar
The Ford @ Holland	@	Ford Avenue
The Fullerton Hotel	@	Fullerton Square
The Garden	@	Sin Ming Walk
The Inspira Condominium	@	Arnasalam Chetty Road
The Jade	@	Bukit Batok St. 31
The Nexus	@	Bukit Timah
The Parc Condominium	@	West Coast Walk
The Seaview	@	Amber Road
The Shelford	@	No. 1 Shelford Road
The Skywoods Condominium	@	Dairy Farm Road
The Tate Residences	@	Claymore Road
The Tier Condominium	@	Pegu Road
The Venue Residences & Shoppes	@	Upper Serangoon Road
The Waterina	@	Geylang
Toh Guan Centre	@	Toh Guan Road
Tong Huat Poultry Processing Fty	@	Senoko Crescent
Townsville Institute - A & A	@	Margaret Drive
UE BizHub EAST	@	Changi Business Park
UE Print Media Hub	@	Tai Seng Avenue
Upp Aljunied Condominium	@	Upper Aljunied Road
Urban Resort	@	Cairnhill Road
Urban Suites	@	Hullet Road
Urbana Condominium	@	-
Victoria Junior School	@	Bedok Road
Waterina Condominium	@	Guillemard Road
West Spring Primary School	@	Bukit Panjang
Westwood Primary School	@	Jurong West
White Sands Primary School	@	Pasir Ris
Wilkie Studio	@	Wilkie Road
Woodlands Church	@	-
Woodlands Crescent Primary School	@	-
Yishun Park	@	Yishun Avenue 11

To be continued...



Represents Quality and Reliable Products

WAVIN
WATER SOLUTIONS

