BRIM control assembly is constructed using high quality component. The compact design reduces installation footprint and makes installation fast and easy. Less mechanical joints are used to prevent leakage. BRIM control assembly can be customised for repeat standardised designs for different operational requirements. The main components are flowmeter, RBM pressure reducing valve and Bi-indictor gauge.

Cooling Water Process Control Assembly
Supply Assembly

Types of Supply Assembly

Robust components used in WS-series supply assembly not only reduces footprint of assembly and reduces chances of leakage issues, but also provides a more reliable solution compared to PVC-based assemblies.

WS-series Supply assemble is available in various sizes.

Type A
Supply assembly with RBM regulator

Components, size, dimension and connection can be customized. If special customization is required, please contact us.

WS-series – **Main components**

Flowmeter

Body:	Polysulfone (PSU)/Aluminium
Spring:	Stainless steel
End Connection:	SS304 FNPT
Operating Temp.:	0 to100 ˚C
Max. Pressure:	20 Bar
Accuracy:	± 6%
Repeatability:	±1%

Pressure Reducing Valve

Body:	Brass
Nominal pressure:	PN25
Operating temp.:	0 to 100 ˚C
Max. inlet pressure:	25Bar
Adj. outlet pressure:	0.5-7 bar
Max operating temp.:	80 ˚C

Bi-indicator gauge

Dial size:	2 ½”
Case:	SS304
Connection:	SS316
Pressure range:	0 to 160 PSI
Operating Temp.:	20 to 60 ˚C
Protection class:	IP65

Note: Pictures shown are for illustration purposes only. Product information stated herein may subject to change without prior notice. Kindly consult your local distributor for further information.

Cooling Water Process Control Assembly
Return Assembly

Types of Return Assembly

Available in various sizes and with both mechanical and digital flow meter, our Return Assembly is a flexible solution that provides more accurate readings and increases reliability.

Type A
Return assembly with BRIM Flowmeter

Type B
Return assembly with digital flow meter

Stainless steel digital meter for higher accuracy

Modular racking solution - the time and cost-effective approach

Pre-fabricated complete racking solution provides following benefits and features:-

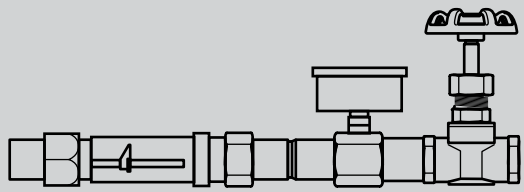
1. **Utility hook-up for vacuum pump and chiller** (Customisable to requirement)
2. **Reduce on site installation hour and cost**
3. **Robust header**
4. **Option for replaceable PCW assembly**

Find out more from our sales consultant.

Assembly Matrix

How to order

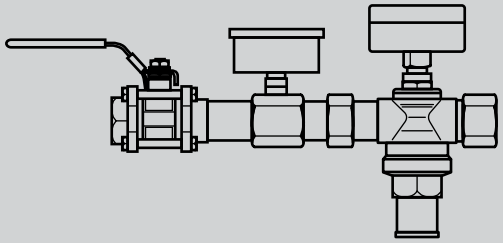
WS15-AMCGGVA-F04



Part number:

WS15	-	A	MC	G	GV	A	-	F04
1		2	3	4	5	6		8

WS15-ABVGRGA-000



Part number:

WS15	-	A	BV	G	RG	A	-	000
1		2	3	4	5	6		7

1 = Size

WS15	1/2"
WS20	3/4"
WS25	1"
WS40	1 1/2"
WS50	2"
WS65	2 1/2"

2 = Inlet connection

A	SS Socket weld
B	SS FNPT
C	SS MNPT
D	SS Socket weld with union
E	SS FNPT with union
F	SS MNPT with union
G	PVC Socket end with union
H	SS Flange End
S	SS FBSPT
J	SS Hose Barb End

3 = Component 1

00	Nil
BV	Stainless Steel Ball Valve
DM	Digital Flowmeter
GV	Stainless Steel Globe Valve
FM	Polysulfone Housing Flowmeter c/w SS End Connection
RG	Nickel Plated Brass Regulator c/w pressure gauge
MC	Metal Casing Inline Flowmeter

4 = Accessories

0	Nil
G	Bi-indicator
P	Pressure Gauge

5 = Component 2

00	Nil
BV	Stainless Steel Ball Valve
DM	Digital Flowmeter
GV	Stainless Steel Globe Valve
FM	Polysulfone Housing Flowmeter c/w SS End Connection
RG	Nickel Plated Brass Regulator c/w pressure gauge
MC	Metal Casing Inline Flowmeter

6 = Outlet connection

A	SS Socket weld
B	SS FNPT
C	SS MNPT
D	SS Socket weld with union
E	SS FNPT with union
F	SS MNPT with union
G	PVC Socket end with union
H	SS Flange End
S	SS FBPST
J	SS Hose Barb End

7 = Additional component

000	NIL
BALV	Balancing valve (Stainless Steel)
HF	High Flow Regulator c/w Pressure Gauge

8 = Flow range

	Flow range		Sizes available					
	GPM	LPM	1/2”	3/4”	1”	1.5”	2”	2.5 ”
F01	0.5 - 5	2 -20	●	●	●	–	–	–
F02	1 - 7	3 - 25	●	●	●	–	–	–
F03	1 - 10	4 - 35	●	●	●	–	–	–
F04	1 - 16	5 - 60	●	●	●	–	–	–
F05	3 - 25	12 - 90	–	–	–	●	●	●
F06	3 - 20	10 - 70	–	●	●	–	–	–
F07	3 - 28	10 - 100	–	●	●	–	–	–
F08	5 - 50	20 - 200	–	–	–	●	●	–
F09	8 - 80	30 - 300	–	–	–	●	●	●
F10	10 -100	40 - 400	–	–	–	●	●	●
D08	5 - 50	19 - 190	–	–	–	●	–	–
D09	10 - 100	38 - 380	–	–	–	●	●	●

Distributed by:

Total Integrated Solutions Pte Ltd
61 Woodlands Industrial Park E9, #07-05 E9 Premium,
Singapore 757047
Tel +65 6755 1455
Web: brim-assembly.com Email: info@tis33.com