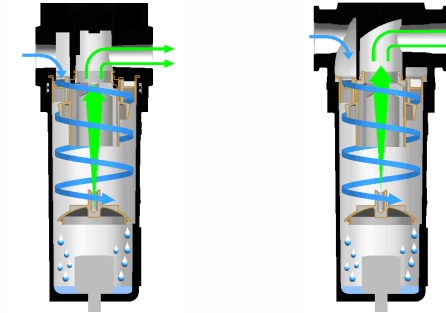


WS & FWS High Efficiency Cyclone Water Separator



High efficiency compressed air cyclone water separator- WS & FWS Series



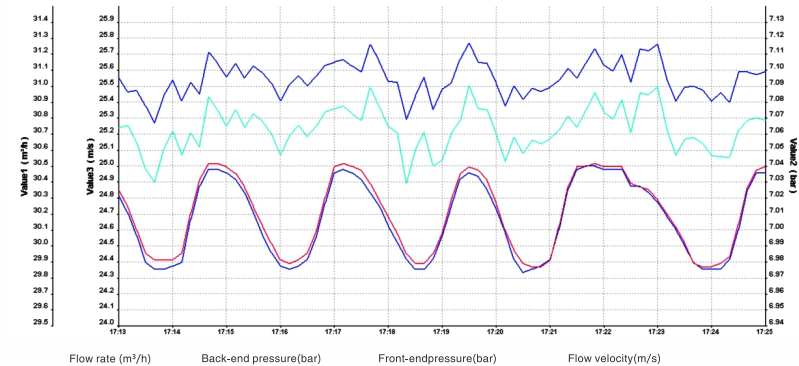
Problem in compressed air system

There is large amount of water in compressed air system, which will corrode the pipeline, damage the valves permanently, air cylinders and pneumatic tools and devices; reduce efficiency of the after-cooler/ heat exchanger.

Installation benefits of compressed air system

YUKA high efficiency cyclone water separator will remove 99% liquid water in compressed air, can protect the air dryers and filters and improve their performance.

- Reduce the corrosion to pipeline and damage to valves, air cylinders, electronic components by water.
- Protect air filter from bulk liquid contamination.
- Improve air quality.
- Protect the pre-filter of refrigerated air dryer and adsorption air dryer.
- Remove liquids in all fluids efficiently.
- Cut down the operational and maintenance costs.



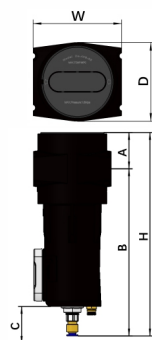
WS Series Technical Specification

The flow rate below is the treatment capacity of compressed air under rated working pressure 7bar g(100psi g). For the application in other working pressure, please refer to the correction factors.

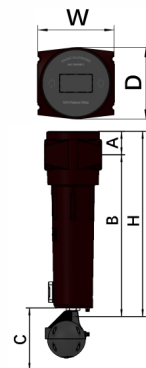
Model	Pipe size	Flow rates			QTY. (pcs)	Dimension(mm)	
		L/S	m ³ /min	cfm		W (Width)	H (Height)
WS 15	RC1/2"	40.0	2.4	84.5	1	89	228
WS 25	RC3/4"	60.0	3.6	127.1	1	89	228
WS 50	RC1"	75.0	4.5	158.9	1	89	263
WS 75	RC1"	125.0	7.5	264.8	1	120	335
WS 100	RC1-1/2"	166.7	10.0	353.1	1	120	335
WS 200	RC2"	300.1	18.0	635.6	1	164	564
WS 250	RC2-1/2"	416.8	25.0	882.8	1	164	664
WS 700	RC2-1/2"	700.0	42.0	1483.1	1	200	712
WS 800	RC3"	833.5	50.0	1765.6	1	200	712
WS 800F	DN80/DN100	833.5	50.0	1765.6	1	280	734/744
WS 1000F	DN100/DN125	1000.2	60.0	2118.7	1	280	780/795
WS 1200F	DN100/DN125	1166.7	70.0	2464.0	1	280	1058/1073

Technical requirements
 Maximum operating pressure : 16barg
 Maximum operating temperature : 80°C
 Minimum operating temperature : 1.5°C

Pressure	Barg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Psig	15	29	44	59	73	87	100	116	131	145	160	174	189	203	218	232
Correction factor		0.38	0.53	0.65	0.76	0.85	0.93	1	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51



WS15-WS100



WS200-WS1000

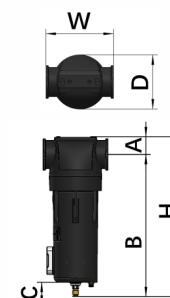
FWS Series Technical Specification

The flow rate below is the treatment capacity of compressed air under rated working pressure 7bar g(100psi g). For the application in other working pressure, please refer to the correction factors.

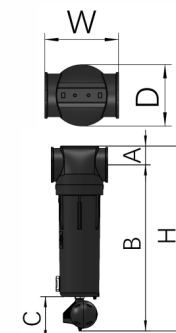
Model	Pipe size	Flow rates			QTY. (pcs)	Dimension(mm)	
		L/S	m ³ /min	cfm		W (Width)	H (Height)
FWS010	RC1/2"	40.0	2.4	84.5	1	96	233
FWS020	RC3/4"	60.0	3.6	127.1	1	96	233
FWS050	RC1"	75.0	4.5	158.9	1	96	268
FWS060	RC1"	125.0	7.5	264.8	1	138	339
FWS070	RC1-1/2"	166.7	10.0	353.1	1	138	339
FWS100	RC2"	300.1	18.0	635.6	1	174	669
FWS110	RC2-1/2"	416.8	25.0	882.8	1	174	669
FWS131	RC2-1/2"	700.0	42.0	1483.1	1	220	726
FWS140	RC3"	833.5	50.0	1765.6	1	220	726
FWS140F	DN80/DN100	833.5	50.0	1765.6	1	300	746/761
FWS150	RC4"	1000.2	60.0	2118.7	1	220	726
FWS150F	DN100/DN125	1000.2	60.0	2118.7	1	300	761/776
FWS170	RC4"	1166.7	70.0	2464.0	1	220	983
FWS170F	DN100/DN125	1166.7	70.0	2464.0	1	300	1018/1033

Technical requirements
 Maximum operating pressure : 16barg
 Maximum operating temperature : 80°C
 Minimum operating temperature : 1.5°C

Pressure	Barg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Psig	15	29	44	59	73	87	100	116	131	145	160	174	189	203	218	232
Correction factor		0.38	0.53	0.65	0.76	0.85	0.93	1	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51



FWS010-FWS070



FWS100-FWS170F