

SDX COMPACT

INDUSTRIAL SPRAY NOZZLES - SPRAY DRYING

FEATURES

The Compact SDX is a new and improved nozzle, featuring easy to assemble, longer lasting parts. It mimics the Mini SDX in size but has a higher flow range with more spray angles.

SPRAY CHARACTERISTICS

- *The Compact-SDX nozzle produces a hollow cone spray pattern with relatively uniform droplet size and particle distribution.*
- *Nominal spray angle is 70°-85°.*
- *Flow rates on water at 69 Bar.G. range from as low as 51 litres/hour to as high as 364 litres/hour, depending on nozzle size.*

CONSTRUCTION AND MATERIALS

- *Seven part construction (see part and material list below).*

ORDER EXAMPLE

When ordering specify the following:

1) Assembly part number from capacity chart

or 2) Part numbers of individual items.

Max. Design Pressure: 345 Bar.G.

Max. Design Temperature: Determined by O-Ring material.



CAPACITY CHARTS



Assembly Procedure:

1. Place Nozzle Body (A) thread side up on a flat surface
2. Place the Orifice O-Ring (B) cone face down into the Nozzle Body (A)
3. Place the Orifice Disc (C) onto the Orifice O-Ring (B) protruding side down
4. Secure the Swirl Chamber O-Ring (E) onto the Swirl Chamber (D)
5. Place the Swirl Chamber Assembly (D+E) swirl side down onto the Orifice Disc (C) into Nozzle Body (A)
6. Secure the Adaptor O-Ring (F) into the recess on Adaptor (G)
7. Screw down the Adaptor (G) into the Nozzle Body (A) securing all components in place and hand tighten only

Compact SDX® Assembly Description and Part Numbers

Description	Part Number	Material
(A) Body	W203010035	Stainless Steel
(B) Orifice O-Ring	A313520148	Viton
	W155100149	Silicone
(C) Orifice Disc	W20303-XXX*	Tungsten Carbide
(D) Swirl Chamber	See Swirl Chamber Chart	
(E) Swirl Chamber O-Ring	W203070013	Viton
	W203070021	Silicone
(F) Adaptor O-Ring	A313520148	Viton
	W155100149	Silicone
(G) Female Adaptor	W203020034	Stainless Steel
Thread Guard	W203230013	Brass
Compact/Mini Adaptor	W214510031	Stainless Steel
Removal Tool	W203080012	DurAl
Compact SDX® Seal Kit (12 of each O-Ring)	W203050015	Viton
	W203060014	Silicone

Compact SDX® Swirl Chamber Part Numbers

Ref	Part Number	Material
SA	W203040016	Tungsten Carbide
SB	W203040024	Tungsten Carbide
SC	W203040032	Tungsten Carbide
SD	W203040040	Tungsten Carbide

