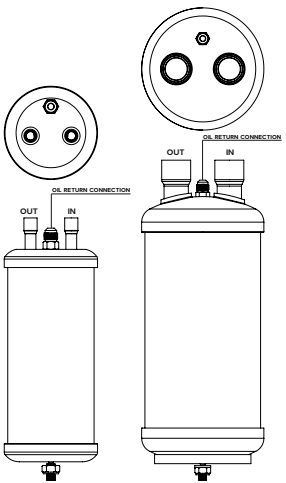
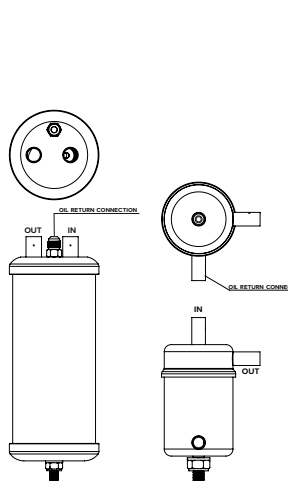
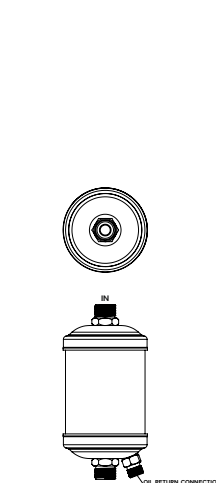
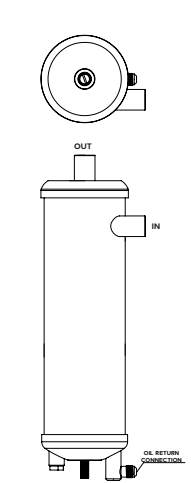
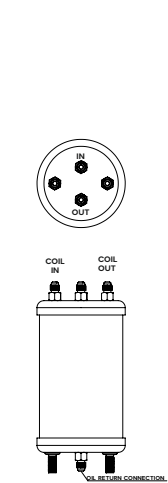
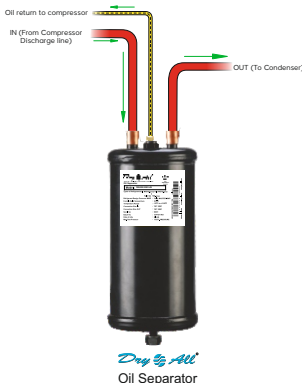

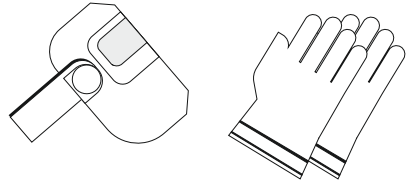
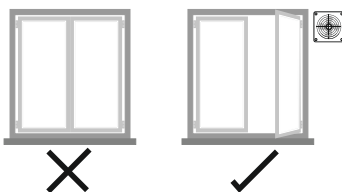
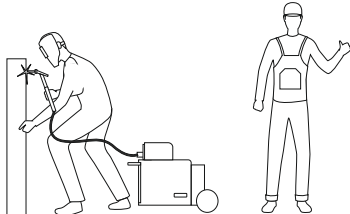


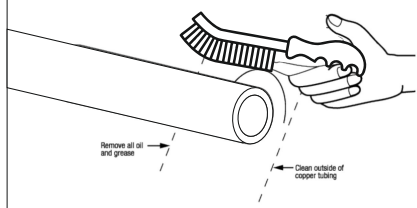
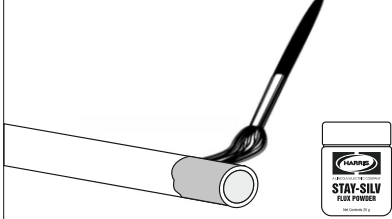
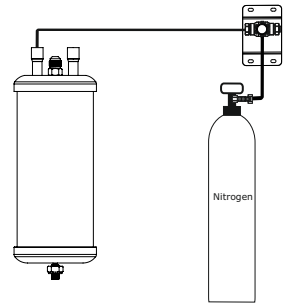
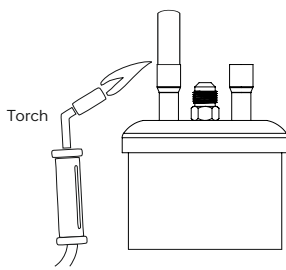
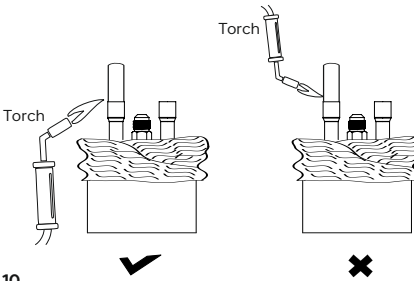
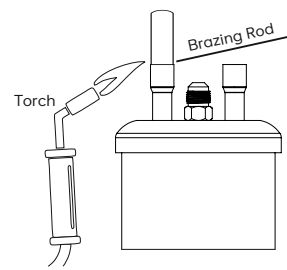
Oil Separators - Installation Guideline

Installation / Location / Positioning of Oil Separators in HVAC&R System				
 <p>DAHW SERIES</p>	 <p>CTOS SERIES</p>	 <p>OSCT SERIES</p>	 <p>DCOS SERIES</p>	 <p>BOS SERIES</p>
Product Installed In Ref. Cycle		Product Installation Guideline:-		
 <p>Oil return to compressor IN (From Compressor Discharge line) OUT (To Condenser)</p> <p>Dry All® Oil Separator</p>		<ul style="list-style-type: none"> • To prevent moisture from entering the oil separator while in transit and storage, the same is charge with positive nitrogen pressure. Hence open Cap/rubber plug when needs to install. • Install oil separator in discharge line. • Make sure that the same is installed as close to the Compressor outlet as possible. • Choose oil separator model according to the capacity rating as given in the catalogue only. • Ensure that incoming discharge line tubing is connected to the connection marked "IN". • Kindly ensure that the oil separator is placed vertical. • The discharge tubing size should match the oil separator connection size. • Before installation, the oil separator should be pre-charged with oil as specified on the sticker. 		

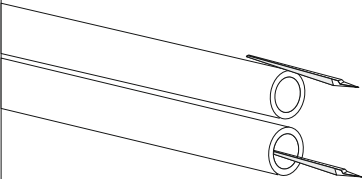
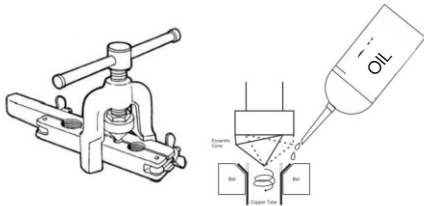
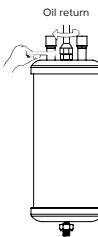

Dos & Don'ts

<p>Installation should be done in normal, clean and safe atmospheric conditions. Please don't do any work in hazardous and unsafe conditions.</p>	<p>Use face shield or green goggles as protection for eyes. Use heat resistance gloves. Use protective coveralls made of breathable materials.</p>
	
<p>When working make sure that the area has enough ventilation or working exhaust</p>	<p>Wear impervious coverall clothing with breathable fabrics.</p>
	

Brazing Technique:

<p>Clean the mating parts with cleaning pad or special wire brush</p>	<p>Apply flux to the male connection after cleaning operation</p>	<p>During brazing bleed an insert gas (Dry Nitrogen or CO₂)</p>
<p>6</p> 	<p>7</p> 	<p>8</p> 
<p>Use a torch tip which is large enough to provide uniform heating on the mating parts.</p>	<p>Place cold wet rag on Oil Separator body and direct the flame of torch away from end of the shell so as to avoid damaging the shell and paint due to excessive heating</p>	<p>Use copper or high silver brazing rod as required. After brazing the joint, wipe the solder joint with a rag and allow it to cool. Clean to remove excess flow (to improve the appearance) of flux if any.</p>
<p>9</p> 	<p>10</p> 	<p>11</p> 

Threaded Joint Technique (SAE & ORFS)

Ream to remove all burrs and clean all residue from the tubing			A drop of refrigeration oil on the flaring tool will help to get a smooth flare			To prevent twisting of the refrigerant line, use backup wrench on flat surface provided on SAE connection of Oil Separator. Fusible Plug: Avoid using wrench on it		
								
1			2			3		
Tightening Torque of Flared Joints (SAE)			Tightening Torque of Rotolock Joints (ORFS)			<div>Scan QR Code for Catalogue</div>  <div>Flare to Solder Adaptors</div> <div>For more details, please visit our website www.dryall.net</div>		
Nominal diameter	Thread Size	Tightening torque N.m (kgf.cm)	Nominal diameter	Thread Size	Tightening torque N.m (kgf.cm)			
1/4" (2F)	7/16" UNF-20TPI	14 to 18 (140 to 180)	9/16"-18 (2R)	9/16"-18 UNF	14-16 (140-160)			
3/8" (3F)	5/8" UNF-18 TPI	33 to 42 (330 to 420)	11/16"-16 (3R)	11/16" UN-16TPI	24-27 (240-270)			
1/2" (4F)	3/4" UNF-16TPI	50 to 62 (500 to 620)	13/16"-16 (4R)	13/16" UN-16 TPI	43-47 (430-470)			
5/8" (5F)	7/8" UNF-14TPI	63 to 77 (630 to 770)	1"-14 (5R)	1" UNS-14TPI	70-80 (700-800)			
Tightening Torque of Fusible Plug joint (NPT)			Tightening Torque of Mounting bolt of Oil Separator					
Nominal Thread size	Tightening torque N.m (kgf.cm)		Nominal Thread size	Tightening torque N.m (kgf.cm)				
1/4" NPT	12 to 24 (122 to 244)		M8x1.25	20 (204)				
3/8" NPT	24 to 40 (244 to 407)		M10x1.5	51 (520)				
1/2" NPT	46 to 68 (469 to 693)							