

Holo-Flite®

Thermal Processor

Metso's Holo-Flite® Thermal Processor is an indirect heat exchanger utilizing a hollow screw for heating, cooling or drying bulk solids, filter cakes, pastes or sludges. It is a proven and efficient thermal processor with over 3000 installations worldwide.

Process advantages

Eliminates product contamination

- Heat transfer agent does not come in contact with the product

Highest thermal efficiency

- Heat transfer agent is continuously recycled

Economical operation

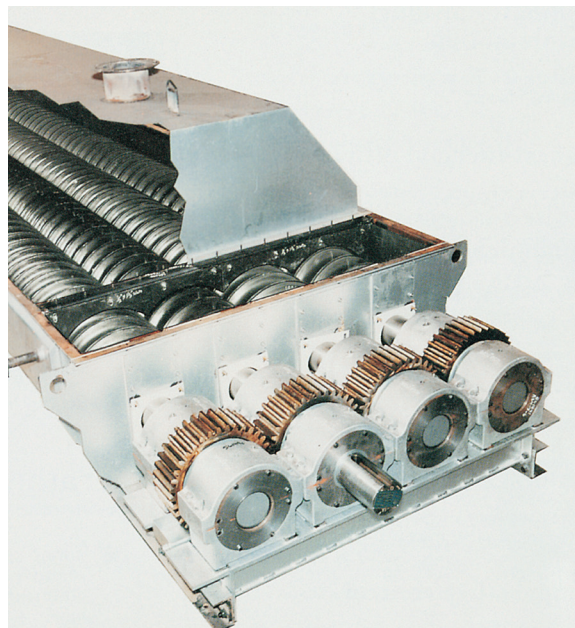
- Lower power consumption
- Mechanical simplicity
- Continuous operation
- Low maintenance
- No operator required

Minimal dusting

- Gentle rotation (1-2 rpm) with little outside air in a controlled atmosphere

Temperature control

- Process materials at closely-controlled temperatures and eliminates hot spots



Holo-Flite® Thermal Processor can reduce moisture content over 90%.

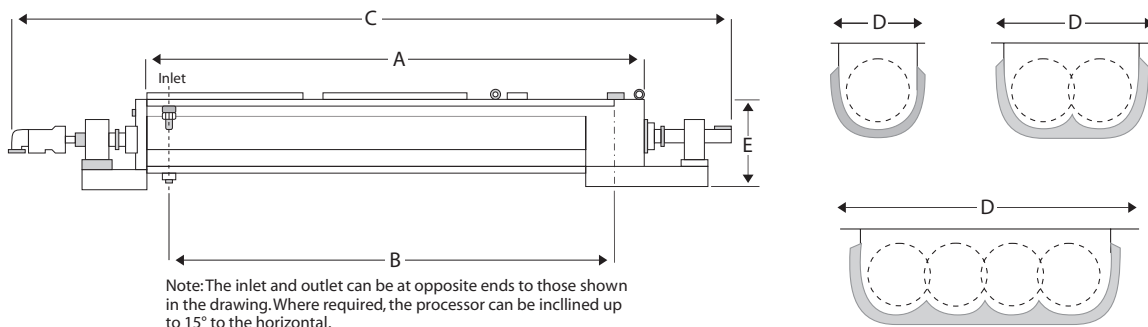
Operating advantages

Patented Twin Pad Screw Design

- Screw speed and temperature can be changed to accommodate variations in material throughput and thermal requirements
- Flow of heat transfer agent can be co-current or counter-current to the flow of material
- Low horsepower requirements
- Slow screw speeds results in maximum component life

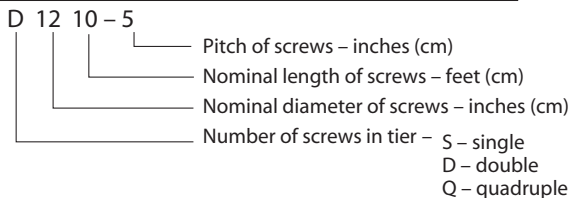
Holo-Flite® configurations

- Six screw sizes: 4, 7, 12, 16, 24 and 30 inch (10, 18, 30, 40, 61 and 76 cm) diameter
- Holo-Flite® units come with single, double or quadruple screws
- Various drive arrangement are available to meet individual requirements
- Standard materials of construction are available for corrosive and abrasive applications
- Design and fabrication per A.S.M.E. Code Section VIII-Unfired Pressure Vessels to 150 psig.



Unit Size & Type Designation:

Each Holo-Flite processor is designated by a group of numbers and letters arranged to specifically identify the unit as indicated to the right.



Unit Size	A Nominal Length	B C/L Inlet to Outlet	C Overall Length	D Overall Width	E Overall Height	Screw Area (ft ²)	Screw Diameter
D404-2	4' (1219)	3' - 7¼" (1099)	7' - 9" (2362)	2' - 3" (686)	2' - 6" (762)	10	4" (102)
S710-4	10' (3048)	9' - 2¾" (2799)	13' - 7" (4140)	1' - 0" (305)	1' - 1¾" (335)	21	7¾" (187)
S714-4	14' (4267)	13' - 2¾" (4018)	17' - 7" (5359)	1' - 0" (305)	1' - 1¾" (335)	30	
D710-4	10' (3048)	9' - 2¾" (2799)	13' - 8½" (4178)	1' - 6" (457)	1' - 1¾" (335)	42	12½" (318)
D714-4	14' (4267)	13' - 2¾" (4018)	17' - 8½" (5398)	1' - 6" (457)	1' - 1¾" (335)	60	
S1210-5	10' (3048)	8' - 6¼" (2611)	14' - 8" (4470)	1' - 6" (457)	1' - 10¼" (565)	39	16" (406)
S1218-5	18' (5486)	16' - 6¼" (5050)	22' - 8" (6909)	1' - 6" (457)	1' - 10¼" (565)	74	
D1210-5	10' (3048)	8' - 6¼" (2611)	15' - 8" (4775)	2' - 4" (711)	1' - 10¼" (565)	78	24" (610)
D1218-5	18' (5486)	16' - 6¼" (5050)	23' - 8" (7214)	2' - 4" (711)	1' - 10¼" (565)	148	
S1616-6	16' (4877)	14' - 6¾" (4434)	21' - 4¾" (6507)	1' - 10" (559)	2' - 1¼" (641)	91	30" (762)
S1618-6	18' (5486)	16' - 6¾" (5043)	23' - 4¾" (7117)	1' - 10" (559)	2' - 1¼" (641)	106	
D1616-6	16' (4877)	14' - 6¾" (4434)	22' - 10¾" (6974)	2' - 11" (889)	2' - 1¼" (641)	183	36" (914)
D1618-6	18' (5486)	16' - 6¾" (5043)	24' - 10¾" (7583)	2' - 11" (889)	2' - 1¼" (641)	207	
S2414-6	14' (4267)	12' - 6¾" (3824)	20' - 2¾" (6161)	2' - 6" (762)	2' - 10¼" (881)	173	42" (1067)
S2424-6	24' (7315)	22' - 6¾" (6872)	30' - 2¾" (9209)	2' - 6" (762)	2' - 10¼" (881)	307	
D2414-6	14' (4267)	12' - 6¾" (3824)	21' - 6¾" (6567)	4' - 0" (1219)	2' - 10¼" (881)	346	48" (1219)
D2424-6	24' (7315)	22' - 6¾" (6872)	31' - 6¾" (9615)	4' - 0" (1219)	2' - 10¼" (881)	614	
Q2416-6	16' (4877)	14' - 6¾" (4434)	23' - 6¾" (7177)	7' - 1" (2159)	2' - 10¼" (881)	800	54" (1375)
Q2424-6	24' (7315)	22' - 6¾" (6872)	31' - 6¾" (9615)	7' - 1" (2159)	2' - 10¼" (881)	1227	
S3020-7	20' (6096)	18' - 4½" (5601)	27' - 2¾" (8288)	3' - 2" (965)	3' - 7" (1092)	292	60" (1524)
S3028-7	28' (8534)	26' - 4½" (8039)	35' - 2¾" (10727)	3' - 2" (965)	3' - 7" (1092)	416	
D3020-7	20' (6096)	18' - 4½" (5601)	28' - 5¾" (8675)	5' - 3" (1600)	3' - 7" (1092)	585	66" (1676)
D3028-7	28' (8534)	26' - 4½" (8039)	36' - 5¾" (11114)	5' - 3" (1600)	3' - 7" (1092)	831	
Q3020-7	20' (6096)	18' - 4½" (5601)	28' - 5¾" (8765)	8' - 11" (2718)	3' - 7" (1092)	1169	72" (1829)
Q3028-7	28' (8534)	26' - 4½" (8039)	36' - 5¾" (11114)	8' - 11" (2718)	3' - 7" (1092)	1663	

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