

Log file of Unit tests

PMoC
4/14/2003
Version 1.0

Department consistency check OK.
Selective property auto-instantiation check OK.
Range checking test OK.
Category parent consistency check OK.
Category child consistency check OK.
Component parent consistency check OK.
ComponentType parent consistency check OK.
Property parent consistency check OK.
PropertyInfo parent consistency check OK.
Symbol parent consistency check OK.
Type name consistency check OK.
Vector size check OK.
Integer/default check OK.
Integer/default check OK.
Integer/default check OK.
Integer/default check OK.
Integer/default check OK.
Integer/default check OK.
Vector shrink check OK.
String property consistency check OK.
Department propagation test (Category) OK.
Department propagation test (Component) OK.
Department propagation test (ComponentType) OK.
Department propagation test (PropertyInfo) OK.
Department propagation test (required Property) OK.
Department propagation test (optional Property) OK.
Department propagation test (Symbol) OK.
Remove OK.
Invalid data exception OK.
Vector of vectors string consistency check OK.
Subvector size check OK.
Subvector integer/default check OK.
Constraint operation test OK.
Component map test OK.
Component type map test OK.
Category map test OK.
Property info map test OK.
Property map test OK.
Department map test OK.

Running load() test...

Category: id="a207ef66c-b0a3-46db-9729-dd898a99298a" n="Gallery Type Library"
s="true" tl="false" su="false" sl="false"

load() test completed.

Running FileNotFoundException test...

null

null

null

FileNotFoundException test completed.

Running load() test...

Loading component type...

null

Finished loading component type.

Default test:

load() test completed.

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running with working dir Z:\proconf
Running Department() test [0]...
Department: id=adff97c6c-e8cf-41e9-bea3-ddd48600c612 n=Gallery Department s=true
Checking for categories...
# of categories: 5
Category (partially loaded): id=a207ef66c-b0a3-46db-9729-dd898a99298a n=Gallery
Type Library tl=false s=true su=false sl=false
-----
Fully loading Category...
Category fully loaded.
Category: Checking for subcategories...
Subcategory (partially loaded): id=abc0011eb-d29f-4e29-a0d8-c12555d43034
n=Client Extensions tl=false s=false su=false sl=false
Fully loading subcategory...
Subcategory fully loaded.
Subcategory (partially loaded): id=af366b6ad-59b4-4956-b5d0-cfe4bbad045f
n=Server Extensions tl=false s=false su=false sl=false
Fully loading subcategory...
Subcategory fully loaded.
Subcategory (partially loaded): id=a500198ee-a376-465b-8643-0409e68e779b
n=Component Types tl=false s=true su=false sl=false
Fully loading subcategory...
Subcategory fully loaded.
ComponentType (partially loaded): id=acad8264b-8df8-4488-b0b1-2c1db156f207
n=Centrifugal pump l=false r=false lo=false lv=false lt=false c=
false
Fully loading ComponentType...
ComponentType fully loaded.
PropertyInfo: id=a75792d79-7efc-4c2b-bc32-ec87cff1178f n=Manufacturer ne=r
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=aa6c09d69-1934-4257-9050-04361ed6e34b n=Allowed impeller
diameters and trimming angles ne=r t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=ColumnTable value: ----- NOT DEFINED -----
PropertyInfo: id=ad313189e-71df-4558-962c-ddb47bea3598 n=Pump type ne=r t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=a28532ced-436a-438e-8231-baefe415e452 n=Dimensional drawing
ne=o t=false
VectorInfo: t=file u=null min=-2147483648 max=2147483647 l=
sizeranges:
PropertyInfo: id=a11110c96-d5e9-457b-b9f1-43526f16d01b n=NPSH-curves ne=o
t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..666
Constraint: n=CurveSet value: ----- NOT DEFINED -----
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a4alb6306-fdd0-49a6-a4c1-5d2239b236ea n=Number of impeller ne=r
t=false
VectorInfo: t=integer u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
```

PropertyInfo: id=ab3977768-73dc-4e11-814c-83d9322f7f50 n=QE-curves ne=r t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..666
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
Constraint: n=CurveSet value: ----- NOT DEFINED -----
PropertyInfo: id=a18dfa036-454a-4842-b5a1-4d66ac2a36af n=Description ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=acf0ab358-ae2e-4fb5-afel-999987c11793 n=Max rotation speed ne=r
t=false
VectorInfo: t=double u=rpm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=a8ce39d76-91ca-4fb7-82c4-c46deec4f2c7 n=QH-curves ne=r t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..666
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
Constraint: n=CurveSet value: ----- NOT DEFINED -----
PropertyInfo: id=a5e9d5c48-2600-4c7f-a379-b872314af333 n=Max diameter of
impeller ne=o t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=acced14a-846e-4619-a8c6-cd3265e4b4b3 n=Frequency ne=i t=false
VectorInfo: t=integer u=Hz min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=integer value: 50
PropertyInfo: id=ad4dc4234-fe5c-49c4-ab45-e44708b1f138 n=Specific speed ne=o
t=false
VectorInfo: t=double u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=abf7d9251-c749-46c8-b6ed-0d8d86748622 n=Pump size ne=r t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=ad25599bd-c682-4221-81c9-6e9e2d0fcfdd n=Max sphere size ne=o
t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=a3c039eee-e13b-41d5-b19a-c02b6fb53476 n=Min diameter of
impeller ne=o t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=ada7033ba-6163-4ff4-8653-177edc10365f n=Shaft seal alternatives
ne=o t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=a65ab4e19-0942-454a-93d9-a8003cc82868 n=Suction flange diameter
ne=r t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:

1..1
PropertyInfo: id=a64770e87-c451-4388-85a9-14d9d12f4295 n=Information ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
PropertyInfo: id=ad0eacade-4568-4283-a465-453d409151dd n=Measurement details
ne=o t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=a0c222b3b-67d3-4723-809c-4c22e42f794b n=Suction specific speed
ne=o t=false
VectorInfo: t=double u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=ae798951c-8df9-4093-a6bb-8678b2c80ed0 n=Discharge flange
diameter ne=r t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=aabdc9bdf-00cb-4951-83cf-e47236c22d5e n=Impeller type ne=r
t=false
VectorInfo: t=a5172aabc-b434-4c95-a729-3a75ab58fd7e u=null min=-2147483648
max=2147483647 l=
sizeranges:
1..1
ComponentType (partially loaded): id=a3f4c7912-af0e-418a-b3a0-34520fd1bbb3
n=Vacuum Disc Filter l=false r=true lo=false lv=false lt=false c=
false
Fully loading ComponentType...
ComponentType fully loaded.
PropertyInfo: id=af58aef74-8e4d-4fb3-91bf-42f941e0e123 n=Super Clear Filtrate
Consistency, max ne=o t=false
VectorInfo: t=double u=ppm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a60bff972-266b-415d-a4a6-a3105f23bede n=Net Mass ne=r t=false
VectorInfo: t=double u=kg min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a3851826a-8d7c-4db4-bfd0-2a7fecb4ccb1 n=Drawing of the Filter
ne=o t=false
VectorInfo: t=file u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a936d0258-90f8-4930-81a5-59cff7d17023 n=Other Remarks ne=o
t=false
VectorInfo: t=string u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a8b9a0441-31dd-46fd-82fa-17f981837582 n=Sweetener Type ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----

PropertyInfo: id=a392f110d-a01c-4baa-8572-6b1c9b183bb2 n=Clear Filtrate Flow
ne=o t=false
VectorInfo: t=double u=dm3/min min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=af57269cc-b6bf-466b-92b6-dc155f22b7ec n=Vat Consistency, max
ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=abe4f2575-8e11-490a-8ba0-78aa564675a1 n=Mass Cake Consistency
After Dilution ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=aad378a47-f875-46a2-8068-a8bfe5e87ce6 n=Sweetener Consistency,
Dimensioned Value ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ad75e6111-cd20-40ac-a5c0-b31e553f95e7 n=Wire Water Ash Content,
max ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=afad6bdfe-4dad-4121-b43a-6fcf4ecf4af8 n=Flow Charts ne=o
t=false
VectorInfo: t=file u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ab8814fec-a315-4c80-a7a3-d54b8dbc867b n=Sectors per Disc ne=r
t=false
VectorInfo: t=integer u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a290aba7b-f9fd-4522-a82c-bf4d288c4fb7 n=Number of Discs ne=r
t=false
VectorInfo: t=integer u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ac36bb42f-8c5c-480f-bfde-c6cb120284da n=Cloudy Filtrate Flow
ne=o t=false
VectorInfo: t=double u=dm3/min min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=adc742859-029c-4943-ac24-359308b218b5 n=Super Clear Filtrate
Flux ne=o t=false
VectorInfo: t=double u=dm3/min min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----

PropertyInfo: id=ade6106b1-75c2-4c23-8d0c-37d42eb0f7a3 n=Cloudy Filtrate
Consistency, max ne=o t=false
VectorInfo: t=double u=ppm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=aeadc5cf4-3db2-4bb6-bf51-e9c7b01ef656 n=Wire Water Consistency,
max ne=o t=false
VectorInfo: t=double u=ppm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a78ed41fd-2702-4cb2-950f-072537ad70d6 n=Wire Water Temperature,
min ne=o t=false
VectorInfo: t=double u=deg C min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ac98683b4-be64-4128-bc2e-bd12c66d23fd n=Sweetener Amount ne=o
t=false
VectorInfo: t=double u=BDMTPD min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=adelddbf2-44ac-4b25-99fe-7a157e421812 n=Space Time ne=o t=false
VectorInfo: t=double u=s min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=aab0a3eec-5b03-4852-8af4-9f61f6962218 n=Vacuum Disc Type ne=i
t=false
VectorInfo: t=a0bea6448-clc3-4c62-8d89-0377c0375d7e u=null min=-2147483648
max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a90841b87-61ba-4902-8a53-2ble98d3c464 n=Clear Filtrate
Consistency, max ne=o t=false
VectorInfo: t=double u=ppm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a48481852-b11c-4068-bd79-dab4194alaf1 n=Sweetener Freenes, min
ne=o t=false
VectorInfo: t=double u=ml CSF min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a3befa2aa-078e-47cf-96b8-fc0e0b693d19 n=Mass Cake Consistency
Before Uncoupling ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=af9dee4e1-f2a6-4f5a-83d6-2e9596c1993c n=Diameter of Disc ne=r
t=false
VectorInfo: t=double u=m min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----

PropertyInfo: id=af3321d38-6e12-4150-9254-afdbc9981c0c n=Vat Consistency, min
ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ac6febf37-126a-493d-8ec2-667fe7b8a367 n=Sweetener Freeness,
Dimensioned Value ne=o t=false
VectorInfo: t=double u=m1 CSF min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a59210bbc-7d2a-414b-8349-bdcc30e783c9 n=Service Room Need ne=o
t=false
VectorInfo: t=double u=m2 min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a56faffb7-4b15-410f-8957-56c37969b919 n=Length of Filter ne=r
t=false
VectorInfo: t=double u=m min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a8c91b98a-3c10-4223-a109-258b18f683f6 n=Brochure ne=o t=false
VectorInfo: t=file u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a23aa61f6-d2dd-4a19-a0a5-faec257e9495 n=Sweetener Consistency,
max ne=o t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a3355483d-66ab-47ad-80f7-138ce486ccae n=Volume of Vat ne=o
t=false
VectorInfo: t=double u=m3 min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ac9307732-9bfd-4cce-a649-21b64289c143 n=Filter Area ne=r
t=false
VectorInfo: t=double u=m2 min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a4b7d98c8-2119-465c-b750-a29545403762 n=Volume of Disc ne=o
t=false
VectorInfo: t=double u=dm3 min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ad10dfbcf-0d63-49fa-b5d6-14c3137c1388 n=Wire Water pH, max ne=o
t=false
VectorInfo: t=double u=pH min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=aa8bfef3b-c8e0-4ffd-a651-1de9c184e175 n=Sweetener Consistency,
min ne=o t=false

VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=ac0c8e780-ce5c-4c66-b884-42782f59c4ce n=Conditions under which
the next values are guaranteed ne=o t=false
VectorInfo: t=string u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=aal0467b1-94d4-461f-bd72-5d87c341867f n=Wire Water Temperature,
max ne=o t=false
VectorInfo: t=double u=deg C min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=a64c35109-428c-44e2-87d6-0f62011d6bfd n=Flooded Mass ne=r
t=false
VectorInfo: t=double u=kg min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=allb326d6-53ef-4a15-bab4-b1e8fae3573f n=Knock-Off Shower Need
per Disc ne=o t=false
VectorInfo: t=double u=dm3/s min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=a92e7b77e-ecc3-4cb0-9c4e-2f93dbc0aeb7 n=Cloudy Filtrate
Recycled to Feed ne=o t=false
VectorInfo: t=boolean u= min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=abe3ac3f7-ce0c-473d-b00a-5e7b14c7610b n=Wire Water pH, min ne=o
t=false
VectorInfo: t=double u=pH min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=a55e8a087-450c-47bd-a502-8fe05dbfe613 n=Motor ne=o t=false
VectorInfo: t=double u=kW min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=afdc5cb61-98e9-4760-baff-fd9224562ff9 n=Wire Water Circulation
ne=o t=false
VectorInfo: t=double u=dm3/min min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=a34a2c685-54e2-4f34-bbf4-2012346ca2b9 n=Disc Submerge % ne=o
t=false
VectorInfo: t=double u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
ComponentType (partially loaded): id=aab7276fd-6666-4d6c-bc9e-52a17c5d1a41
n=BASIC_PUMP_TYPE l=false r=false lo=false lv=false lt=false c=fa
lse
Fully loading ComponentType...

ComponentType fully loaded.

PropertyInfo: id=a2fc5d02b-6df2-4650-8b19-07f958a959c4 n=SPEED SET POINT ne=i
t=false

VectorInfo: t=float u=% min=0.0 max=2.14748365E9 l=PU11_SPEED_SET_POINT
sizeranges:

1..1

PropertyInfo: id=adcda06fd-ab72-408e-917b-cede84d3f8eb n=NAME OF FLUID ne=i
t=false

VectorInfo: t=a3A307B86-A098-4B05-88CA-551920B709E5 u=null min=-2147483648
max=2147483647 l=PU11_SECTION_NAME

sizeranges:

1..1

PropertyInfo: id=a4b3be30a-d459-4658-b21c-4985f5d867b1 n=POWER COEFFICIENT ne=i
t=false

VectorInfo: t=float u=null min=1.0E-6 max=1.0 l=PU11_POWER_COEFF

sizeranges:

1..1

PropertyInfo: id=ae0319b01-701a-4367-a5c3-4dc2a89b0a03 n=MALFUNCTION ne=i
t=false

VectorInfo: t=integer u=null min=0 max=3 l=PU11_MALFUNCTION

sizeranges:

1..1

PropertyInfo: id=ac86ca869-ba53-4ac4-966b-8877a45d9da0 n=NOMINAL HEAD ne=i
t=false

VectorInfo: t=float u=m min=-2.14748365E9 max=2.14748365E9 l=PU11_HEAD_NOMINAL

sizeranges:

1..1

PropertyInfo: id=a3c6a325d-16e0-46ab-a581-leac9efb3a2e n=FLOW MODEL ne=i t=false

VectorInfo: t=a04C57C7B-4AB9-4840-B313-36B685AD564F u=null min=-2147483648
max=2147483647 l=PU11_ACCURACY_LEVEL

sizeranges:

1..1

PropertyInfo: id=aa5322846-0642-476f-bf01-984a3309f61d n=MASS FLOW ne=i t=false

VectorInfo: t=float u=kg/s min=-2.14748365E9 max=2.14748365E9

l=PU11_MIX_MASS_FLOW

sizeranges:

1..1

PropertyInfo: id=ac3bef610-6f12-4df4-8ce1-c4c76702d650 n=PU11_CONNECT_POINT_2
ne=i t=false

VectorInfo: t=reference u=null min=-2147483648 max=2147483647 l=

sizeranges:

2..2

Constraint: n=startTerminal value: ---- NOT DEFINED ----

PropertyInfo: id=a6ba5c846-ec57-488e-ae23-f7ff53a47e6a n=FLOW LENGTH OF PUMP
ne=i t=false

VectorInfo: t=float u=m min=-2.14748365E9 max=2.14748365E9 l=PU11_LENGTH

sizeranges:

1..1

PropertyInfo: id=a6c6b3505-ebdc-4a11-b0c0-eb760f592315 n=TIME CONSTANT OF
COASTING DOWN ne=i t=false

VectorInfo: t=float u=s min=-2.14748365E9 max=2.14748365E9

l=PU11_COAST_DOWN_TIME

sizeranges:

1..1

PropertyInfo: id=a523d925e-fe5c-48c5-b51f-49f090f85672 n=NOMINAL DENSITY ne=i
t=false

VectorInfo: t=float u=kg/m3 min=-2.14748365E9 max=2.14748365E9

l=PU11_DENS_NOMINAL

sizeranges:

1..1

PropertyInfo: id=a3b7af37c-5899-4eb8-adb5-953cefbfc666 n=EFFICIENCY OF PUMP ne=i
t=false
VectorInfo: t=float u=% min=1.0E-8 max=2.14748365E9 l=PU11_PUMP_EFFICIENCY
sizeranges:
1..1
PropertyInfo: id=a89882e43-2599-4060-a6f0-3aa890215109 n=CURRENT CONSUMED BY THE
PUMP ne=i t=false
VectorInfo: t=float u=A min=-2.14748365E9 max=2.14748365E9 l=PU11_CURRENT
sizeranges:
1..1
PropertyInfo: id=adc3347ce-c107-4b46-a170-ec89f3a8a30a n=NOMINAL VOLUMETRIC FLOW
ne=i t=false
VectorInfo: t=float u=m3/s min=-2.14748365E9 max=2.14748365E9
l=PU11_FLOW_NOMINAL
sizeranges:
1..1
PropertyInfo: id=a796273b0-72c7-425c-a842-4d1b0baffac7 n=ROTATION SPEED ne=i
t=false
VectorInfo: t=float u=% min=-2.14748365E9 max=2.14748365E9 l=PU11_SPEED
sizeranges:
1..1
PropertyInfo: id=aal92fde1-fc3d-463a-a976-7f2306519409 n=FLOW AREA ne=i t=false
VectorInfo: t=float u=m2 min=-2.14748365E9 max=2.14748365E9 l=PU11_AREA
sizeranges:
1..1
PropertyInfo: id=a6d35a2e3-edc4-4cd9-b1bc-2b10dc40b30c n=TYPE OF CHARACTERISTIC
HEAD CURVE ne=i t=false
VectorInfo: t=integer u=null min=1 max=2 l=PU11_CURVE_TYPE
sizeranges:
1..1
PropertyInfo: id=a131855b3-618a-4a78-8944-28d15851d131 n=LOSS COEFFICIENT OF
STOPPED PUMP ne=i t=false
VectorInfo: t=float u=null min=0.0 max=2.14748365E9 l=PU11_LOSS_COEFF_STOPPED
sizeranges:
1..1
PropertyInfo: id=af7ba266f-e9e0-4cc3-alc7-ebc58532e179 n=IS HEAT GENERATION OF
PUMP CALCULATED ne=i t=false
VectorInfo: t=boolean u=null min=false max=false l=PU11_HEAT_CALCULATED
sizeranges:
1..1
PropertyInfo: id=a52ebf398-6d34-493f-a28e-49733fc40679 n=MODULE_NAME ne=i
t=false
VectorInfo: t=reference u=null min=-2147483648 max=2147483647 l=
sizeranges:
2..2
Constraint: n=endTerminal value: ---- NOT DEFINED ----
PropertyInfo: id=a47416b19-59fd-478b-9b5a-2dc8125db80a n=NET POSITIVE SUCTION
HEAD ne=i t=false
VectorInfo: t=float u=m min=0.0 max=2.14748365E9 l=PU11_NPSH
sizeranges:
1..1
PropertyInfo: id=a4cb11975-497a-40b0-b4e5-f72063078335 n=POINT OF HEAD CURVE
ne=i t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=PU11_HEAD_CURVE
sizeranges:
2..2
PropertyInfo: id=ae771f3d3-792c-4db8-b4b0-256ff810d8c6 n=PU11_CONNECT_POINT_1
ne=i t=false
VectorInfo: t=reference u=null min=-2147483648 max=2147483647 l=
sizeranges:
2..2

Constraint: n=startTerminal value: ----- NOT DEFINED -----
PropertyInfo: id=ab83631c9-fa19-4299-8919-bae68db07fab n=EFFICIENCY OF MOTOR
ne=i t=false
VectorInfo: t=float u=% min=1.0E-8 max=2.14748365E9 l=PU11_MOTOR_EFFICIENCY
sizeranges:
1..1
PropertyInfo: id=a94ee633c-0df1-4636-9097-c2ba33336cf4 n=NOMINAL ROTATION SPEED
ne=i t=false
VectorInfo: t=float u=% min=-2.14748365E9 max=2.14748365E9 l=PU11_SPEED_NOMINAL
sizeranges:
1..1
PropertyInfo: id=a0ec303d4-2dad-4cdf-997d-032b56a42c1f n=MAXIMUM HEAD ne=i
t=false
VectorInfo: t=float u=m min=-2.14748365E9 max=2.14748365E9 l=PU11_HEAD_MAXIMUM
sizeranges:
1..1
PropertyInfo: id=a36262968-4b8f-42be-933b-5fda884d5f0c n=NAME OF BUSBAR TO
SUPPLY ELECTRICITY ne=i t=false
VectorInfo: t=reference u=null min=-2147483648 max=2147483647 l=PU11_BUSBAR_NAME
sizeranges:
1..1
ComponentType (partially loaded): id=aab7276fd-0e3f-4d6c-bc9e-52a17c5d1a41
n=Shell and Tube Heat Exchanger l=false r=false lo=false lv=false
lt=false c=false
Fully loading ComponentType...
ComponentType fully loaded.
PropertyInfo: id=a3f19d59a-e626-4c89-afc3-65a4e68f4299 n=Corrosion allowance
ne=o t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=ae3e54718-98b6-49fd-9605-f352f4b25ac0 n=Design Temperatur ne=o
t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=a4bf288e7-5b61-439b-bc64-032c4bc08bd5 n=Cross baffle flow model
ne=o t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=string value: s-s
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a996d53f8-e7c7-4c0a-817b-029d283c8392 n=Cross baffle type ne=i
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=string value: Single segmental
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a2c988ee6-b902-47ac-8651-06a1a50492d6 n=Thickness of tube wall
ne=r t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a181540d4-76e0-4b98-ac92-cd1792dd007c n=Tube material ne=r
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=

sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ab969d857-6f2a-45b3-8219-7b2e17e2d2e0 n=Tube length ne=r
t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a246567a5-6ff4-4434-86be-33187e2da592 n=Flow direction ne=i
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=string value: counter-current
PropertyInfo: id=a88257723-7147-4b54-86c4-71b2c5d1ec1a n=Design pressure ne=o
t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=abeb9862a-ede9-4bd5-b6a4-7062c9f0c1a4 n=Connections ne=o
t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=af3d22d7a-c7c4-4c68-b08e-61731e378300 n=Distance between cross
baffles ne=r t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ab6d70798-23fe-4c37-9fcc-cfb9589dd065 n=Inside diameter of
shell ne=r t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a2f6523c7-4e2b-4822-90cb-c7bfd9321403 n=Shell material ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=ac773998f-1793-423e-8c52-306fdc0e07b8 n=Test pressure ne=o
t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=a9debed76-2f17-4ca0-a912-7fc50fa7a0d7 n=Cross baffle cut ne=i
t=false
VectorInfo: t=integer u=% min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=integer value: 25
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=adfe6c3a1-add5-4ac5-9010-c5de94cceaf5 n=Surface ne=r t=false
VectorInfo: t=double u=m2 min=-2147483648 max=2147483647 l=
sizeranges:

1..1
PropertyInfo: id=a113d5847-17dc-46b1-a9d3-894ab92898e6 n=TEMA type ne=i t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ----- NOT DEFINED -----
PropertyInfo: id=a3c787578-fe88-4f35-8feb-4208317027af n=Number of tube side
passes ne=i t=false
VectorInfo: t=short u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=short value: 1
PropertyInfo: id=a72ff2e30-ba0b-499e-ae5f-b6cc44a1a142 n=Remarks ne=o t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
PropertyInfo: id=ae8f1676e-3a6b-4a78-b915-96b6bb6f058b n=Tube side gaskets ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a1861618b-2724-47a4-a2c5-6320da109ac2 n=Outside diameter of
tube ne=i t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=double value: 19.05
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=aa4d0fc5a-fd1b-4df7-84ff-d7d6db432597 n=Dimensional drawings
ne=o t=false
VectorInfo: t=file u=null min=-2147483648 max=2147483647 l=Sketch of nozzle and
bundle orientation, Exchanger diagram, tube layout diagram o
r all in same
sizeranges:
PropertyInfo: id=a609f07ef-d8a1-41bb-af2c-f533b3c92a66 n=Number of shell side
passes ne=i t=false
VectorInfo: t=short u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=short value: 1
PropertyInfo: id=a02143f18-84bf-44e7-a313-ef9f054f1212 n=Number of tubes ne=r
t=false
VectorInfo: t=integer u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=af8911617-3563-4a6d-9738-d69217fa5b0a n=Outside diameter of
shell ne=o t=false
VectorInfo: t=double u=mm min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ----- NOT DEFINED -----
PropertyInfo: id=a188b919c-d974-4220-9df4-7b02cea607ff n=Code requirements ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
PropertyInfo: id=a56c17666-efe3-40bf-a1b3-2bac95a48ec2 n=Tube pitch ne=i t=false
VectorInfo: t=double u=null min=-2147483648 max=2147483647 l=pitch / tube
outside diameter
sizeranges:

```
1..1
Default: i=0 c=1 t=double value: 1.25
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=a724d7d57-40b0-40d9-bc9e-e240a5bdc800 n=Tube layout ne=i
t=false
VectorInfo: t=string u=deg min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=string value: 30
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=ada7282ec-b82f-46af-9215-c6fb499blaf4 n=Weights ne=o t=false
VectorInfo: t=vector u=null min=-2147483648 max=2147483647 l=
sizeranges:
3..3
Constraint: n=RowTable value: ===== NOT DEFINED =====
PropertyInfo: id=ac4ea2b3e-a57f-4b64-bdf2-8c6f56aaa087 n=Shell side gaskets ne=o
t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Constraint: n=ModelExplorer value: ===== NOT DEFINED =====
PropertyInfo: id=aa8afae5b-80bf-4277-9712-9b38012da748 n=Position ne=i t=false
VectorInfo: t=string u=null min=-2147483648 max=2147483647 l=
sizeranges:
1..1
Default: i=0 c=1 t=string value: Horizontal
Subcategory (partially loaded): id=a7d335f33-ad5c-4e09-be88-e717d4151cdf
n=Enumerations tl=false s=false su=false sl=false
Fully loading subcategory...
Subcategory fully loaded.
Category: Checking for ComponentTypes...
Category: Checking for components...
Category: Checking for symbols...
Category (partially loaded): id=a6f717488-413d-45c8-bfbf-5c9ab4c748b4 n=Symbols
tl=false s=true su=false sl=false
-----
Fully loading Category...
Category fully loaded.
Category: Checking for subcategories...
Category: Checking for ComponentTypes...
Category: Checking for components...
Category: Checking for symbols...
null
```

```
Property info start terminal test OK.
Property info end terminal test OK.
Property info named start terminal test OK.
Property info named end terminal test OK.
getStartTerminal test OK.
hasConnection test (positive) OK.
hasConnection test (negative) OK.
```