

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions
- TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet VALVE, STOP-CHECK	
Solicitation No. - N° de l'invitation W8482-156654/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8482-156654	Date 2015-01-14
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-404-66480	
File No. - N° de dossier hp404.W8482-156654	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-02-18	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Michele Mak	Buyer Id - Id de l'acheteur hp404
Telephone No. - N° de téléphone (819) 956-3947 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

W8482-156654/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

hp404

Client Ref. No. - N° de réf. du client

W8482-156654

File No. - N° du dossier

hp404W8482-156654

CCC No./N° CCC - FMS No/ N° VME

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Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

Solicitation Amendment # 001 is raised to add the following line item descriptions:

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Item 1 & 2

4820-21-908-1075, VALVE, STOP-CHECK

MATERIAL: BODY COPPER ALLOY 922

MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY

MATERIAL: SEAT NICKEL ALLOY

MATERIAL: STEM NICKEL ALLOY R-405

MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE QQ-N-288 ASSN STD 1ST

MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: SEAT QQ-N-288 ASSN STD 1ST MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

STYLE DESIGNATOR: A1A ANGLE FLANGED ENDS

VALVE SIZE: 3.0 INCHES

FACE TO FACE DISTANCE: 9.5 INCHES

FLOW CONTROL DEVICE: DISK

MEDIA FOR WHICH DESIGNED: 1ST RESPONSE STEAM

MEDIA FOR WHICH DESIGNED: 2ND RESPONSE WATER-OIL-GAS

MAXIMUM OPERATING PRESSURE: 1ST RESPONSE 150.0 POUNDS PER SQUARE INCH

MAXIMUM OPERATING PRESSURE: 2ND RESPONSE 225.0 POUNDS PER SQUARE INCH

MAXIMUM OPERATING TEMP: SINGLE RESPONSE 450.0 DEG FAHRENHEIT

VALVE OPERATION METHOD: MANUAL

CONNECTION TYPE: ALL ENDS FLANGE

FLANGE SHAPE: ALL ENDS ROUND WITH HOLES

NOMINAL OUTSIDE DIAMETER: ALL ENDS 7.5 INCHES

NOMINAL THICKNESS: ALL ENDS 0.62 INCHES

BOLT HOLE QUANTITY: ALL ENDS 4

BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES

BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 6.0 INCHES

FLANGE FACE DESIGN: ALL ENDS PLAIN

MOUNTING POSITION: HORIZONTAL

BONNET TYPE: INSIDE SPRING

BONNET ATTACHMENT METHOD: BOLTED

FURNISHED ITEMS AND QUANTITY: HANDWHEEL

SPECIAL TEST FEATURES: SHOCK TESTED TO SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 106-0057 or equivalent

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC
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Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

Item 3 & 4

4820-21-908-2548, VALVE, GATE

FLANGE DIAMETER: 7.5 INCHES
BONNET TYPE: PACKING RETAINING
BONNET ATTACHMENT METHOD: BOLTED
BOLT HOLE QUANTITY: 4
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: FLANGE, ROUND W/HOLES
VALVE SIZE: 3.0 INCHES
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 150.0 POUNDS PER SQUARE INCH STEAM
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 225.0 POUNDS PER SQUARE INCH WATER-OIL-GAS
STEM TYPE: NONRISING
MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 450.0 DEG FAHRENHEIT STEAM
BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM-B61 ASSN STD SINGLE MATERIAL RESPONSE
FACE TO FACE DISTANCE: 8.0 INCHES
FLANGE FACE DESIGN: PLAIN
DISK MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
SEAT MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM-B164 ASSN STD SINGLE MATERIAL RESPONSE
INLET RELATIONSHIP WITH OUTLET: IDENTICAL

Part Number Requested: 107-0013 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 5

4820-21-908-2549, VALVE, GATE

FLANGE DIAMETER: 10.0 INCHES
BONNET TYPE: PACKING RETAINING
BONNET ATTACHMENT METHOD: BOLTED
BOLT HOLE QUANTITY: 8
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: FLANGE, ROUND W/HOLES
VALVE SIZE: 4.0 INCHES
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 300.0 POUNDS PER SQUARE INCH STEAM
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 500.0 POUNDS PER SQUARE INCH WATER-OIL-GAS
STEM TYPE: NONRISING
MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 550.0 DEG FAHRENHEIT STEAM

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 550.0 DEG FAHRENHEIT WATER-OIL-GAS

BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM-B61 ASSN STD SINGLE MATERIAL RESPONSE
FACE TO FACE DISTANCE: 12.0 INCHES

FLANGE FACE DESIGN: PLAIN

DISK MATERIAL DOCUMENT AND CLASSIFICATION: QQ-N-288 ASSN STD SINGLE MATERIAL RESPONSE

SEAT MATERIAL DOCUMENT AND CLASSIFICATION: QQ-N-288 ASSN STD SINGLE MATERIAL RESPONSE

STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM-B164 ASSN STD SINGLE MATERIAL RESPONSE

INLET RELATIONSHIP WITH OUTLET: IDENTICAL

SPECIAL FEATURES: PROVIDED WITH POSITION INDICATOR

FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL

Part Number Requested: 107-0038 or equivalent

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 6 & 7

4820-21-908-2554, VALVE, GATE

FLANGE DIAMETER: 10.0 INCHES

BONNET TYPE: PACKING RETAINING

BONNET ATTACHMENT METHOD: BOLTED

BOLT HOLE QUANTITY: 8

VALVE OPERATION METHOD: MANUAL

CONNECTION TYPE: FLANGE, ROUND W/HOLES

FEATURES PROVIDED: BONNET PACKING

VALVE SIZE: 5.0 INCHES

MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 150.0 POUNDS PER SQUARE INCH STEAM

MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 225.0 POUNDS PER SQUARE INCH WATER-OIL-GAS

STEM TYPE: NONRISING

MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 450.0 DEG FAHRENHEIT STEAM

BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

FACE TO FACE DISTANCE: 10.0 INCHES

FLANGE FACE DESIGN: PLAIN

DISK MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

SEAT MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

INLET RELATIONSHIP WITH OUTLET: IDENTICAL

PRESSURE CLASS: 150.0 POUNDS PER SQUARE INCH

SPECIAL FEATURES: WITH POSITION INDICATOR

FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL

Part Number Requested: 107-0219 or equivalent

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 8 & 9

4820-21-908-2568 VALVE, GATE

BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: UNION
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: THREADED INTERNAL PIPE
VALVE SIZE: 0.75 INCHES
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 300.0 POUNDS PER SQUARE INCH STEAM
NOMINAL THREAD SIZE: 0.75 INCHES
STEM TYPE: RISING
MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 550.0 DEG FAHRENHEIT STEAM
BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
DISK MATERIAL DOCUMENT AND CLASSIFICATION: QQ-N-288 ASSN STD 1ST MATERIAL RESPONSE
SEAT MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
INLET RELATIONSHIP WITH OUTLET: IDENTICAL
PRESSURE CLASS: 300.0 POUNDS PER SQUARE INCH
MATERIAL: BODY COPPER ALLOY 922 AND DISK NICKEL ALLOY AND SEAT NICKEL ALLOY AND STEM COPPER ALLOY 922
THREAD SERIES DESIGNATOR: NPT

Part Number Requested: 107-0018 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 10 & 11

4820-21-908-2593, VALVE, GATE

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY
MATERIAL: SEAT NICKEL ALLOY
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE QQ-N-288 FED SPEC SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT QQ-N-288 FED SPEC SINGLE MATERIAL RESPONSE
VALVE SIZE: 2.0 INCHES
FACE TO FACE DISTANCE: 8.0 INCHES
FLOW CONTROL DEVICE: DISK
MEDIA FOR WHICH DESIGNED: 1ST RESPONSE STEAM
MEDIA FOR WHICH DESIGNED: 2ND RESPONSE WATER-OIL-GAS

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

MAXIMUM OPERATING PRESSURE: 1ST RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING PRESSURE: 2ND RESPONSE 225.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 450.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: AUTOMATIC
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: ALL ENDS 6.0 INCHES
NOMINAL THICKNESS: ALL ENDS 0.5 INCHES
BOLT HOLE QUANTITY: ALL ENDS 4
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 4.75 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MOUNTING POSITION: HORIZONTAL OR VERTICAL
SPECIAL FEATURES: SWING TYPE DISK
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 119-0012 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 12 & 13
4820-21-908-2602 VALVE, GATE

BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: UNION
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: THREADED INTERNAL PIPE
FEATURES PROVIDED: BONNET PACKING
VALVE SIZE: 1.000 INCHES
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 300.0 POUNDS PER SQUARE INCH STEAM AND 600.0 POUNDS PER SQUARE INCH WATER-OIL-GAS
NOMINAL THREAD SIZE: 1.000 INCHES
STEM TYPE: RISING
MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 550.0 DEG FAHRENHEIT STEAM
BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
DISK MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
SEAT MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
INLET RELATIONSHIP WITH OUTLET: IDENTICAL
PRESSURE CLASS: 300.0 POUNDS PER SQUARE INCH
SPECIAL FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A
THREAD SERIES DESIGNATOR: NPT
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL

Part Number Requested: 107-0019 or equivalent

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 14 & 15

4820-21-908-2705, VALVE, STOP-CHECK

FLOW CONTROL DEVICE: DISK
BONNET TYPE: OUTSIDE SCREW-YOKE
BONNET ATTACHMENT METHOD: BOLTED
RENEWABLE SEAT RING TYPE: THREADED
BOLT HOLE QUANTITY: ALL ENDS 4
MAXIMUM OPERATING TEMP: 1ST RESPONSE 450.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
CONNECTION TYPE: ALL ENDS FLANGE
MOUNTING POSITION: HORIZONTAL
VALVE SIZE: 2.0 INCHES
MAXIMUM OPERATING PRESSURE: 1ST RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING PRESSURE: 2ND RESPONSE 225.0 POUNDS PER SQUARE INCH
NOMINAL OUTSIDE DIAMETER: ALL ENDS 6.0 INCHES
FACE TO FACE DISTANCE: 8.0 INCHES
NOMINAL THICKNESS: ALL ENDS 0.5 INCHES
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 4.75 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY
MATERIAL: SEAT NICKEL ALLOY
MATERIAL: STEM NICKEL ALLOY
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MEDIA FOR WHICH DESIGNED: 1ST RESPONSE STEAM
MEDIA FOR WHICH DESIGNED: 2ND RESPONSE WATER-OIL-GAS
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SG-000 GRADE 1 TYPE A
STYLE DESIGNATOR: A1A ANGLE FLANGED ENDS
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL
FURNISHED ITEMS AND QUANTITY: 1 INDICATOR

Part Number Requested: 106-0118 or equivalent

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 16 & 17

4820-21-908-2707, VALVE, GATE

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

FLANGE DIAMETER: 6.0 INCHES
BONNET TYPE: PACKING RETAINING
BONNET ATTACHMENT METHOD: BOLTED
BOLT HOLE QUANTITY: 4
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: FLANGE, ROUND W/HOLES
FEATURES PROVIDED: BONNET PACKING
VALVE SIZE: 2.0 INCHES
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 150.0 POUNDS PER SQUARE INCH STEAM
MAXIMUM OPERATING PRESSURE AND MEDIA FOR WHICH DESIGNED: 225.0 POUNDS PER SQUARE INCH WATER-OIL-GAS
STEM TYPE: NONRISING
MAXIMUM OPERATING TEMP AND MEDIA FOR WHICH DESIGNED: 450.0 DEG FAHRENHEIT STEAM
BODY MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
FACE TO FACE DISTANCE: 7.0 INCHES
FLANGE FACE DESIGN: PLAIN
DISK MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
SEAT MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STEM MATERIAL DOCUMENT AND CLASSIFICATION: ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
INLET RELATIONSHIP WITH OUTLET: IDENTICAL
PRESSURE CLASS: 150.0 POUNDS PER SQUARE INCH
SPECIAL FEATURES: FURNISHED WITH POSITION INDICATOR; SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL

Part Number Requested: 107-0015 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 18 & 19
4820-21-909-4639, VALVE, GATE

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY R-405
MATERIAL: SEAT NICKEL ALLOY R-405
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
VALVE SIZE: 4.0 INCHES
FACE TO FACE DISTANCE: 11.5 INCHES
FLOW CONTROL DEVICE: DISK
MEDIA FOR WHICH DESIGNED: SINGLE RESPONSE STEAM

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 500.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: AUTOMATIC
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: ALL ENDS 9.0 INCHES
NOMINAL THICKNESS: ALL ENDS 0.688 INCHES
BOLT HOLE QUANTITY: ALL ENDS 8
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 7.5 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MOUNTING POSITION: HORIZONTAL
MOUNTING POSITION: VERTICAL
RENEWABLE SEAT RING TYPE: THREADED
SPECIAL FEATURES: SWING DISK
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 119-0027 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 20 & 21
4820-21-909-4925, VALVE, DIAPHRAGM, STOP

MATERIAL: COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE RUBBER NEOPRENE
MATERIAL: PACKING RUBBER NEOPRENE
MATERIAL: SEAT COPPER ALLOY 922
MATERIAL: STEM BRONZE PHOSPHOR
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B139 ASSN STD SINGLE MATERIAL RESPONSE
STYLE DESIGNATOR: A7 ANGLE
MEDIA FOR WHICH DESIGNED: SINGLE RESPONSE WATER, FRESH
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 150.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: 1ST END FLANGE
CONNECTION TYPE: 2ND END THREADED EXTERNAL HOSE
CONNECTION STYLE: 2ND END G46C PLAIN
FLANGE SHAPE: 1ST END ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: 1ST END 7.0 INCHES
NOMINAL THICKNESS: 1ST END 0.562 INCHES
BOLT HOLE QUANTITY: 1ST END 4
BOLT HOLE NOMINAL DIAMETER: 1ST END 0.75 INCHES

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

BOLT CIRCLE NOMINAL DIAMETER: 1ST END 5.5 INCHES
FLANGE FACE DESIGN: 1ST END PLAIN
THREAD SERIES DESIGNATOR: 2ND END NH
NOMINAL THREAD SIZE: 2ND END 2.5 INCHES
THREAD QUANTITY PER INCH: 2ND END 7-1/2
THREAD DIRECTION: 2ND END RIGHT-HAND
BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 CAP AND 1 CHAIN
SPECIAL TEST FEATURES: SHOCK TESTED TO SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 121-0007 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 22 & 23
4820-21-910-1539, VALVE, GLOBE

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY R-405
MATERIAL: SEAT NICKEL ALLOY R-405
MATERIAL: STEM NICKEL ALLOY R-405
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STYLE DESIGNATOR: A1 STRAIGHT THRU
FLOW CONTROL DEVICE: DISK
MEDIA FOR WHICH DESIGNED: SINGLE RESPONSE STEAM
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 450.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: ALL ENDS THREADED INTERNAL PIPE
CONNECTION STYLE: ALL ENDS G9 PLAIN
THREAD SERIES DESIGNATOR: ALL ENDS NPT
NOMINAL THREAD SIZE: ALL ENDS 0.75 INCHES
THREAD DIRECTION: ALL ENDS RIGHT-HAND
BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: UNION
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL
SPECIAL FEATURES: IMPREGNATED TEFLON PACKING
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 106-0062 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

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Item 24 & 25

4820-21-910-1540, VALVE, GLOBE,

MATERIAL: BODY COPPER ALLOY 922

MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY R-405

MATERIAL: SEAT NICKEL ALLOY R-405

MATERIAL: STEM NICKEL ALLOY R-405

MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

STYLE DESIGNATOR: A1 STRAIGHT THRU

FLOW CONTROL DEVICE: DISK

MEDIA FOR WHICH DESIGNED: SINGLE RESPONSE STEAM

MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH

MAXIMUM OPERATING TEMP: SINGLE RESPONSE 450.0 DEG FAHRENHEIT

VALVE OPERATION METHOD: MANUAL

CONNECTION TYPE: ALL ENDS THREADED INTERNAL PIPE

CONNECTION STYLE: ALL ENDS G9 PLAIN

THREAD SERIES DESIGNATOR: ALL ENDS NPT

NOMINAL THREAD SIZE: ALL ENDS 1.0 INCHES

THREAD DIRECTION: ALL ENDS RIGHT-HAND

BONNET TYPE: INSIDE SCREW

BONNET ATTACHMENT METHOD: UNION

FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL

SPECIAL FEATURES: IMPREGNATED TEFLON PACKING

SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 106-0063 or equivalent

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 26 & 27

4820-21-910-9827 VALVE, DIAPHRAGM, STOP

MATERIAL: BODY COPPER ALLOY 922

MATERIAL: FLOW CONTROL DEVICE PLASTIC POLYPROPYLENE

MATERIAL: SEAT COPPER ALLOY 922

MATERIAL: STEM BRONZE PHOSPHOR

MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B139 ASSN STD SINGLE MATERIAL RESPONSE
VALVE SIZE: 2.5 INCHES
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 120.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: 1ST END FLANGE
CONNECTION TYPE: 2ND END THREADED EXTERNAL HOSE
FLANGE SHAPE: 1ST END ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: 1ST END 7.0 INCHES
NOMINAL THICKNESS: 1ST END 0.562 INCHES
BOLT HOLE QUANTITY: 1ST END 4
BOLT HOLE NOMINAL DIAMETER: 1ST END 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: 1ST END 5.5 INCHES
FLANGE FACE DESIGN: 1ST END PLAIN
NOMINAL OUTSIDE DIAMETER HOSE ACCOMMODATED: 2ND END 2.5 INCHES
THREAD SERIES DESIGNATOR: 2ND END NH
THREAD QUANTITY PER INCH: 2ND END 7-1/2
BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL
SPECIAL CHARACTERISTICS: SHOCK TESTED AS PER SPEC D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 121-0015 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 28 & 29
4820-21-908-2631, VALVE, STOP-CHECK

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY R-405
MATERIAL: SEAT NICKEL ALLOY R-405
MATERIAL: STEM NICKEL ALLOY R-405
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE
STYLE DESIGNATOR: A1A ANGLE FLANGED ENDS
VALVE SIZE: 2.5 INCHES
FACE TO FACE DISTANCE: 8.5 INCHES
FLOW CONTROL DEVICE: DISK
MEDIA FOR WHICH DESIGNED: 1ST RESPONSE STEAM
MEDIA FOR WHICH DESIGNED: 2ND RESPONSE WATER-OIL-GAS

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

MAXIMUM OPERATING PRESSURE: 1ST RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING PRESSURE: 2ND RESPONSE 225.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: 1ST RESPONSE 450.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: ALL ENDS 7.0 INCHES
NOMINAL THICKNESS: ALL ENDS 0.56 INCHES
BOLT HOLE QUANTITY: ALL ENDS 4
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 5.5 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MOUNTING POSITION: HORIZONTAL
RENEWABLE SEAT RING TYPE: THREADED
BONNET TYPE: OUTSIDE SCREW-YOKE
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL AND 1 INDICATOR
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 106-0092 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 30 & 31

4820-21-909-4266, VALVE, STOP-CHECK

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY R-405
MATERIAL: SEAT NICKEL ALLOY R-405
MATERIAL: STEM NICKEL ALLOY R-405
VALVE SIZE: 2.0 INCHES
FACE TO FACE DISTANCE: 8.0 INCHES
FLOW CONTROL DEVICE: DISK
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 150.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 350.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: 1ST END 6.5 INCHES
NOMINAL OUTSIDE DIAMETER: 2ND END 6.0 INCHES
NOMINAL THICKNESS: 1ST END 0.75 INCHES
NOMINAL THICKNESS: 2ND END 0.5 INCHES
BOLT HOLE QUANTITY: 1ST END 8
BOLT HOLE QUANTITY: 2ND END 4
BOLT HOLE NOMINAL DIAMETER: 1ST END 0.75 INCHES
BOLT HOLE NOMINAL DIAMETER: 2ND END 0.75 INCHES

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

BOLT CIRCLE NOMINAL DIAMETER: 1ST END 5.0 INCHES
BOLT CIRCLE NOMINAL DIAMETER: 2ND END 4.75 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MOUNTING POSITION: HORIZONTAL
RENEWABLE SEAT RING TYPE: THREADED
BONNET TYPE: OUTSIDE SCREW-YOKE
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL
FEATURES PROVIDED: BONNET PACKING

Part Number Requested: 122-0001 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 32 & 33
4820-21-909-4338, VALVE, DIAPHRAGM, STOP:

MATERIAL: BODY COPPER ALLOY 922
MATERIAL: FLOW CONTROL DEVICE PLASTIC POLYPROPYLENE
MATERIAL: SEAT COPPER ALLOY 922
MATERIAL: STEM BRONZE PHOSPHOR
MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE
MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B139 ASSN STD SINGLE MATERIAL RESPONSE
FACE TO FACE DISTANCE: 6.5 INCHES
VALVE SIZE: 1.5 INCHES
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 175.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 120.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: ALL ENDS 5.0 INCHES
NOMINAL THICKNESS: ALL ENDS 0.437 INCHES
BOLT HOLE QUANTITY: ALL ENDS 4
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.625 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 3.875 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
BONNET TYPE: INSIDE SCREW
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL
SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 121-0004 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

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Item 34 & 35

4820-21-909-4339, VALVE, DIAPHRAGM, STOP

MATERIAL: BODY COPPER ALLOY 922

MATERIAL: FLOW CONTROL DEVICE PLASTIC POLYPROPYLENE

MATERIAL: SEAT COPPER ALLOY 922

MATERIAL: STEM BRONZE PHOSPHOR

MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B139 ASSN STD SINGLE MATERIAL RESPONSE

FACE TO FACE DISTANCE: 7.5 INCHES

VALVE SIZE: 2.0 INCHES

MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 175.0 POUNDS PER SQUARE INCH

MAXIMUM OPERATING TEMP: SINGLE RESPONSE 120.0 DEG FAHRENHEIT

VALVE OPERATION METHOD: MANUAL

CONNECTION TYPE: ALL ENDS FLANGE

FLANGE SHAPE: ALL ENDS ROUND WITH HOLES

NOMINAL OUTSIDE DIAMETER: ALL ENDS 6.0 INCHES

NOMINAL THICKNESS: ALL ENDS 0.5 INCHES

BOLT HOLE QUANTITY: ALL ENDS 4

BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES

BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 4.75 INCHES

FLANGE FACE DESIGN: ALL ENDS PLAIN

BONNET TYPE: INSIDE SCREW

BONNET ATTACHMENT METHOD: BOLTED

SPECIAL TEST FEATURES: SHOCK TESTED AS PER SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 121-0008 or equivalent

NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Item 36 & 37

4820-21-909-4928, VALVE, STOP-CHECK

MATERIAL: BODY COPPER ALLOY 922

MATERIAL: FLOW CONTROL DEVICE NICKEL ALLOY

MATERIAL: SEAT NICKEL ALLOY

MATERIAL: STEM NICKEL ALLOY

MATERIAL DOCUMENT AND CLASSIFICATION: BODY ASTM B61 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: FLOW CONTROL DEVICE ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: SEAT ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

MATERIAL DOCUMENT AND CLASSIFICATION: STEM ASTM B164 ASSN STD SINGLE MATERIAL RESPONSE

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

STYLE DESIGNATOR: A1 ANGLE
VALVE SIZE: 0.75 INCHES
FACE TO FACE DISTANCE: 6.0 INCHES
FLOW CONTROL DEVICE: DISK
MEDIA FOR WHICH DESIGNED: SINGLE RESPONSE STEAM
MAXIMUM OPERATING PRESSURE: SINGLE RESPONSE 300.0 POUNDS PER SQUARE INCH
MAXIMUM OPERATING TEMP: SINGLE RESPONSE 350.0 DEG FAHRENHEIT
VALVE OPERATION METHOD: MANUAL
CONNECTION TYPE: ALL ENDS FLANGE
FLANGE SHAPE: ALL ENDS ROUND WITH HOLES
NOMINAL OUTSIDE DIAMETER: ALL ENDS 4.625 INCHES
NOMINAL THICKNESS: ALL ENDS 0.531 INCHES
BOLT HOLE QUANTITY: ALL ENDS 4
BOLT HOLE NOMINAL DIAMETER: ALL ENDS 0.75 INCHES
BOLT CIRCLE NOMINAL DIAMETER: ALL ENDS 3.25 INCHES
FLANGE FACE DESIGN: ALL ENDS PLAIN
MOUNTING POSITION: HORIZONTAL
RENEWABLE SEAT RING TYPE: THREADED
BONNET TYPE: OUTSIDE SCREW-YOKE
BONNET ATTACHMENT METHOD: BOLTED
FURNISHED ITEMS AND QUANTITY: 1 HANDWHEEL AND 1 INDICATOR
FEATURES PROVIDED: BONNET PACKING
SPECIAL TEST FEATURES: SHOCK TESTED TO SPECIFICATION D-03-003-007/SF-000 GRADE 1 TYPE A

Part Number Requested: 106-0525 or equivalent
NSCM Requested: (38881) Montreal Bronze, Terrebonne, QC

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Delivery Destinations: Canadian Forces Base Halifax, Nova Scotia and Canadian Forces Base Esquimalt,
British Columbia

Delivery Required: April 10, 2015

Canadian Military Technical Data (Shock test) - Equivalent Products

Submission of certificate of shock testing and drawings:

Any equivalent product(s) proposed must have successfully met the testing requirements of Specification D-03-003-007/SG-000 Grade 1 Type A , prior to the bid closing. If bidder is offering substitute products that are equivalent in form, fit, function and quality to the Original Equipment Manufacturer (OEM) parts specified herein, the bidder must provide proof by submitting a copy of the successful certificate of shock testing including the serial numbers of the proposed products and an

Solicitation No. - N° de l'invitation
W8482-156654/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
hp404

Client Ref. No. - N° de réf. du client
W8482-156654

File No. - N° du dossier
hp404W8482-156654

CCC No./N° CCC - FMS No./N° VME

acceptable drawing with certification of the proposed products. Upon request, the Canadian Military Technical Data (Shock test) must be submitted within three (3) **business days** of the request. Bids unable to meet this requirement will be given no further consideration.