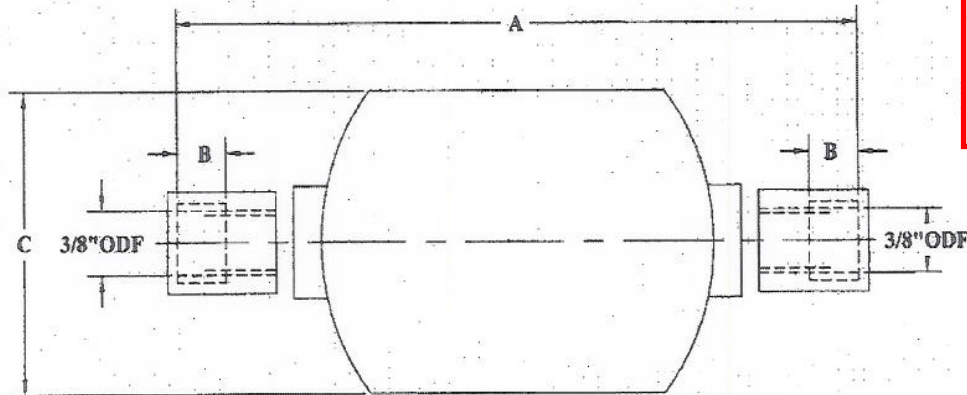




# ENGINEERING SPECIFICATION

|            |            |      |    |
|------------|------------|------|----|
| PART No.   | 800-531-08 | Rev. | 06 |
| Ref. Code  | 205        |      |    |
| Engg. Ref. | CAC        |      |    |
| UOM        | EA         |      |    |

**PART DESCRIPTION : FILTER DRIER 3/8" ODF SOLDER: R-22**



**NOTE: INLET & OUTLET OPENING WITH INSERT PLASTIC CAPS.**

| VENDOR        | VENDOR MODEL | VOLUME OF DESICCANT | SURFACE FILTERING AREA | WATER CAPACITY DROPS@60PPM |       | DIM.-INCH |      |      |
|---------------|--------------|---------------------|------------------------|----------------------------|-------|-----------|------|------|
|               |              |                     |                        | 75°F                       | 125°F | "A"       | "B"  | "C"  |
| SPORLAN       | C-083-S      | 9 CUBIC INCH        | 21.00 SQ.INCH          | 90                         | 75.0  | 5.25      | 0.44 | 2.60 |
| MUELLER BRASS | SD-083       | 8 CUBIC INCH        | 25.50 SQ.INCH          | 93                         | 70.0  | **        | **   | 2.37 |
| PARKER        | SS-083-S     | 8 CUBIC INCH        | 27.00SQ.INCH           | 107                        | 99.1  | **        | **   | 2.34 |
| ALCO/EMERSON  | EK083-S      | 8 CUBIC INCH        | **                     | 84                         | 74.0  | 5.43      | 0.43 | 2.31 |
| DANFOSS       | DCL-083S     | 8 CUBIC INCH        | **                     | **                         | **    | 6.22      | **   | 2.13 |

- DESICCANT** : ACTIVATED ALUMINA CORE WITH MOLECULAR SIEVE OR EQUIVALENT, SUITABLE FOR USE WITH R-22
- FILTER** : CAPABLE OF RETAINING DESICCANT & INLET FILTERING TO 10 MICRONS
- BURST PRESSURE** : 2500PSI
- MATERIAL** : HERMETIC STEEL SHELL
- FINISH** : CORROSION RESISTANT PAINT ON SHELL.
- MARKINGS** : DIRECTION OF FLOW TO BE INDICATED ZAC P/N & VENDOR MODEL No TO BE MARKED
- APPROVAL** : U.L. COMPONENT LISTED.
- CAPACITY RATING** : 5.3 TONS (STD. ARI CONDITION @ 2PSI DROP)



|  |   |           |            |  |                        |
|--|---|-----------|------------|--|------------------------|
| <b>** : INFORMATION TO BE PROVIDED BY VENDOR</b>               |   |           |            | Sheet 1 of 2                                     | SCALE: NTS.            |
| ALL DIMENSIONS ARE IN mm (BRACKET DIMENSIONS ARE IN INCHES)    |   |           |            | WRITER   | JAINUDEEN              |
| Tolerance: : Unless noted (±) : fraction 1/32" ; Decimal 0.031 |   |           |            | INITIATOR  | PALLAB                 |
| 06   | PAGE 2 OF 2 ADDED VENDOR SPEC EMERSON                           | JAINUDEEN | 17.05.2010 | CHECK  | M.PASHA                |
| 05   | ADDED NEW VENDOR- EMERSON                                       | HUSAIN    | 17.04.04   | VERIFIED   | MUJEEB                 |
| 04   | ADDED NEW VENDOR- DANFOSS                                       | HUSAIN    | 14.12.03   | APPROVED   | HARSHAL U.             |
| 03   | REVISED SPEC AS PER VENDOR INFORMATION VENDOR PARKER# WAS 165-S | SHUJAT    | 12.06.03   | Issue Date                                       | 12.11.1981             |
| Rev  | Revision Details  | Designer  | Rev.Date   | File Ref.  | Ziicnas\Eng-Specs\800\ |
| # 4200 PE-B-A009   |   |           |            | DATA COMPILED BY ENGINEERING FOR QC / PRODUCTION |                        |

|            |            |      |    |
|------------|------------|------|----|
| PART No.   | 800-531-08 | Rev. | 06 |
| Ref. Code  | 205        |      |    |
| Engg. Ref. | CAC        |      |    |
| UOM        | EA         |      |    |

## PART DESCRIPTION : FILTER DRIER 3/8" ODF SOLDER: R-22

TABLE I

| PART NO.  | DESCRIPTION | CONNECTION SIZE | CUSTOMER PART NO. | A ± .125 | B ± .140 | C ± .031 | D ± .003 | E REF. | PACKAGING |
|-----------|-------------|-----------------|-------------------|----------|----------|----------|----------|--------|-----------|
| GD06346-1 | EK-083 S    | 3/8 ODF         | 80053108          | 5.414    | 4.610    | 2.625    | .378     | .402   | BULK      |
| GD06346-2 | EK-165 S    | 5/8 ODF         | 80053105          | 6.562    | 5.312    | 2.625    | .629     | .625   | BULK      |
| GD06346-3 | EK-184 S    | 1/2 ODF         | 80053111          | 6.372    | 5.312    | 2.625    | .504     | .500   | BULK      |
| GD06346-4 | EK-306 S    | 3/4 ODF         | 80053121          | 9.719    | 8.469    | 3.141    | .754     | .625   | BULK      |

|                      |  |                               |
|----------------------|--|-------------------------------|
|                      | <b>AL-ZAMIL CO.</b><br>SPEC. ENG.<br>EK DRIERS | DRAWING NO.<br><b>FD06346</b> |
| RLC<br>CHECKED       | GJS<br>APPROVED                                | GJS<br>REVIEWED               |
| NONE<br>REVISION NO. | C<br>PART NO.                                  | 59279<br>DRAWING DATE         |
| 12-29-03<br>DATE     | 1<br>OF 1                                      |                               |

02. CUSTOMER PART NUMBER TO BE STAMPED ON THE MASTER SHIPPER DIRECTLY UNDER THE CARTON LABEL.

01. ALL UNITS HAVE A 75% MOLECULAR SIEVE AND 25% ACTIVATED ALUMINA BLEND OF DESICCANT.

NOTES:

THIS UNIT IS THE PROPERTY OF EMERSON CLIMATE TECHNOLOGIES FLOW CONTROLS. IT IS ON LOAN FOR YOUR USE. SUBJECT TO RETURN ON REQUEST. NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF EMERSON CLIMATE TECHNOLOGIES.

NN1-2

QUALIFIED

31 MAY 2010

OA DATE

|   |   |           |            |  |                        |  |
|---|---|-----------|------------|--|------------------------|--|
| <b>** INFORMATION TO BE PROVIDED BY VENDOR</b>                |   |           |            | Sheet 2 of 2                                     | SCALE: NTS.            |  |
| ALL DIMENSIONS ARE IN mm (BRACKET DIMENSIONS ARE IN INCHES)   |   |           |            | WRITER   | JAINUDEEN              |  |
| Tolerance: : Unless noted (±) : fraction 1/32"; Decimal 0.031 |   |           |            | INITIATOR  | PALLAB                 |  |
| 06  | PAGE 2 OF 2 ADDED VENDOR SPEC EMERSON                           | JAINUDEEN | 17.05.2010 | CHECK  | M.PASHA                |  |
| 05  | ADDED NEW VENDOR- EMERSON                                       | HUSAIN    | 17.04.04   | VERIFIED   | MUJEEB                 |  |
| 04  | ADDED NEW VENDOR- DANFOSS                                       | HUSAIN    | 14.12.03   | APPROVED   | HARSHAL U.             |  |
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| Rev   | Revision Details  | Designer  | Rev.Date   | File Ref.  | Ziicnas\Eng-Specs\800\ |  |
| # 4200 PE-B-A009  |   |           |            | DATA COMPILED BY ENGINEERING FOR QC / PRODUCTION |                        |  |